

# SEQUENCE LISTING

<110> Weaver, Zoe

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using  
Cancer Gene Sets

<130> 689290-77

<150> US/60/233,133

<151> 2000-09-18

<150> US/60/234,009

<151> 2000-09-20

<150> US/60/234,034

<151> 2000-09-20

<150> US/60/234,509

<151> 2000-09-22

<150> US/60/234,567

<151> 2000-09-22

<160> 1392

<170> PatentIn version 3.0

<210> 1  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 1  
gcqaccccg ttcagctcgc ctttcttggc cagagggcc ggttggaactc acgggcgggg 60  
catgatggtg gtgggtacgg gcacctcgct ggcgctctcc tccctcctgt ccctgctgct 120  
ctttgctggg atgcagatgt acagccgtca gctggcctcc accgagtggc tcaccatcca 180  
gggcggcctg cttgggttcgg gtctcttcgt gttctcgtc actgccttca ataactctga 240  
gaatcttgct tttggcaaag gattccaagc aaagatcttc cctgagattc tctgtgct 300  
cctgttggtc ctctttgcat ctggcc 326

<210> 2  
<211> 335  
<212> DNA  
<213> Homo sapiens

<400> 2  
acagaaaata tagccatgat tgaaatcaaa tagtaaaggc tgttctggct ttttatcttc 60  
ttagctcatc ttaaataagt agtacacttt ggatgcagtt cgttctgaag tgctaatacag 120  
ttgtaacaat agcacaatc gaacttagga tttgtttctt ctcttctgtg tttcgatttt 180  
tgatcaattc ttttaatttg taagcctata atacagtttc tattctttga gataaaaatt 240  
aatgatcac tgatatttta gtcattcttg cttctcatct aaatatttcc atattctgta 300  
ttaggagaaa attaccctcc cagcaccagt ctcc 335

<210> 3  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 3  
cccagtgcac tcgcatgcgt ggacgctgtg tggagagtcc aggatgacgg gatcccgcac 60  
aagctccctt cagtccttca gggctgggca tgtggttgat ttttctaaag ctggagaaag 120

.tgcata ttacttgagc ttaaactgac aacctggatg taaataggag  
 .ttattta ataaagtctt atgtgatttt ttaaaaaaga aaaa

180  
235

10> 4  
11> 308  
12> DNA  
13> Homo sapiens

<400> 4  
accagttgga cattgttttt ttctggttat cctgtcctgc cttactatga gatttacgga  
 tgttttgggt tagaggttgg tccttcctcg gtttaattgat gctttgttc agactgtcct  
 ctaggacttg aatttgaagc agaaacagaa cagcacctga tcctcagta tactgcaaag  
 cagggcctca gaaagggtta ctccaattac tgactttcac ctaagggtgaa aaagcatccg  
 gcttcttt

60  
120  
180  
240  
300  
308

<210> 5  
<211> 486  
<212> DNA  
<213> Homo sapiens

<400> 5  
ttttttttt gctgtaggca ccattctgca tcttgaacct agactgaagt gtgcctctca  
 cagatggaag gtgcacacgc tcctgtctcc tcctcactct gccacgttca cttggctttt  
 tcattgggtac ctaggaaatt aagaatatcg aagcgagaca cgttaacaaac catagatgag  
 cagactccca caccgggttt tcttgcctcg ctttaaggca ctgtttctaa attttgaact  
 tagctctgaa tccccaaagaa cttgagcaca gcaagggttg ctgagctgct gtgcgcgag  
 ccctggcccc tgggtgctgga gctgcagcac ctttgggaga ggtcctgcgt cgtcctcag  
 tgctgctgctg tgaactcccc ctctccactg tgttctcag tgtctgcttt tcaggaagtc  
 tgctgtgacc tttgcccac ttctgagctc ctcagggaact aggaacaatt tcagtagctt  
 tgcctt

60  
120  
180  
240  
300  
360  
420  
480  
486

<210> 6  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 6  
ggaggaggcc cctgtgagcc cactctggaa cccttctctg aacctcctt actctgtccc  
 cctacagaca accaagcact aatccccctta gtaccaagaa aggggagcca ggatttagtc  
 ctggcccagc ccagagctgg gacctggcct ccaaatggca tctagagttt gagcagcctt  
 tgccacctct gggctcaggt cctcatgctt gggctagggc caggagcatt tgggtgccctt  
 cttggctgag gcaggcctag cctgtggagc gggcagctgg ggagagatgg ctatattaat  
 ccatgttgca atgcaaacac cttcaccact ggggcagctg ggagagatgg ctatattaat  
 aaaataacgt gtgtctttc

60  
120  
180  
240  
300  
360  
379

<210> 7  
<211> 456  
<212> DNA  
<213> Homo sapiens

<400> 7  
catatataca tgcagctctg ttgattatca gcaaaatggt cagcctttat cagatagttt  
 cttcatgttg agttcatctg catgtggccc ttactctgaa gcctcttctt gatctggagc  
 cacagtctgt ctgtcttcca gttcatctca gtctctgaga aaggcccttt aaatatgtca  
 ctttcccatt ttctttaaac catgggttgt ctgagccaga aagagctttg agaaagatgg  
 ctgcttccac cagggtggag gcttctaggt ctgcatgatg atggggcccc tttctggcca  
 gaggggtggct ctgggagcag ttgtgctgct ggcttgcctg gggagaactc taactgttgc  
 agaaacagag cttcatggct tgettaaatt acttagctgg aatatattaa agtgtcagat  
 aatgtgatgt acaaagagag tatgcccgat catttc

60  
120  
180  
240  
300  
360  
420  
456

<210> 8  
<211> 303



[illegible]

<211> 1522  
<212> DNA  
<213> Homo sapiens

<400> 12  
aaaagaggaa accaaccctt aagatgagct ttccatgtaa attttagacc agcttccttc 60  
tgattttcaa tgtttcttcc aaaggtgcag tctccaaaga gattacgaat gccttggaaa 120  
cctggggtgc cttgggtcag gacatcaact tggacattcc tagttttcaa atgagtgatg 180  
atattgacga tataaaatgg gaaaaaactt cagacaagaa aaagattgca caattcagaa 240  
aagagaaaga gactttcaag gaaaaagata catataagct atttaaaaat ggaactctga 300  
aaattaagca tctgaagacc gatgatcagg atatctataa ggtatcaata tatgatacaa 360  
aaggaaaaaa tgtgttgtaa aaaatatttg atttgaagat tcaagagagg gtctcaaaac 420  
caaagatctc ctggacttgt atcaacacaa ccctgacctg tgaggtaatg aatggaactg 480  
accccgatt aaacctgtat caagatggga aacatctaaa actttctcag aggggtcatca 540  
cacacaagtg gaccaccagc ctgagtgcag aattcaagtg cacagcaggg aacaaagtca 600  
gcaaggaatc cagtgtcgag cctgtcagct gtccagagaa aggtctggac atctatctca 660  
tcattggcat atgtggagga ggcagcctct tgatggctct tgtggcactg ctcgttttct 720  
atatcaccaa aaggaaaaaa cagaggagtc ggagaaatga tgaggagctg gagacaagag 780  
cccacagagt agctactgaa gaaaggggcc ggaagcccca ccaaattcca gcttcaacct 840  
ctcagaatcc agcaacttcc caacatcctc ctccaccacc tggtcacgtg tcccaggcac 900  
ctagtcacgt tccccgcct cctggacacc gtgttcagca ccagcctcag aagaggcctc 960  
ctgctccgtc gggcacacaa gttcaccagc agaaaggccc gccctcccc agacctcgag 1020  
ttcagccaaa acctcccatg gggcagcaga aaactcattg tccccctct ctaattaaaa 1080  
aagatagaaa ctgtcttttt caataaaaag cactgtggat ttctgcctc ctgatgtgca 1140  
tatccgtact tccatgaggt gttttctgtg tgcagaacat tgtcacctcc tgaggctgtg 1200  
ggccacagcc acctctgcat cttcgaactc agccatgtgg tcaacatctg gaggtttttg 1260  
tctcctcaga gagctccatc acaccagtaa ggagaagcaa tataagtgtg attgcaagaa 1320  
gtgtagagga ccgagccaga aatcttagag atttcttgct ccctctcagg tcatgtgtag 1380  
atgcgataaa tcaagtgatt ggtgtgcctg ggtctcacta caagcagcct atctgcttaa 1440  
gagactctgg agtttcttat gtgccttggt ggacacttgc ccaccatcct gtgagtaaaa 1500  
gtgaaataaa agctttgact ag 1522

<210> 13  
<211> 531  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 13  
ttaaagattg gcaatgtatg tgagagtatg catatgtatg ggtgtgtgtg tgtgcgcgca 60  
atcaaactgt ggtgtaaata gattctcagt gaattctggt attcagactc tattccacta 120  
gtgaaagaac catttttttaa acttcccttg ctttttttat ttattttaatt ttcttggttt 180  
ggagatgtca gtcccaaaca ccagagtctg tactttttcta taacacagct cagattaagg 240  
tagggcatat gcaacggagg ttctcacctc cctaaagaag ggacttgaat tttagggact 300  
ttaattcacc cctccttcaa tacaactttc ccccttcttg tttgcacatg ccaagataac 360  
tgctttttatg caggctgtac ccccttgaaa aatcctttct acagtgtgtg tcacaaaaga 420  
gcccaagttc ggctcctac ccggnattgc tgacttgaat tcanagtcgc cgagtctacc 480  
tagctttctt ggaagcagtc tcgcaaaatn tctatttgn cgtcactaat g 531

<210> 14  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 14  
gatatttgaa ttttagcagg ggagtttcat agtaaaaaca gcttttgact cagctttgat 60

ttatcctcat	ttgatttggc	cagaaagtag	gtaatatgca	ttgattggct	tctgattcca	120
attcagtata	gcaaggtgct	agggtttttc	ctttcccccac	ctgtctctta	gcctggggaa	180
ttaaatagaga	agccttagaa	tgggtggccc	ttgtgacctg	aaacacttcc	cacataagct	240
acttaacaag	attgtcatgg	gagctgcaga	ttccattgcc	caccaaagac	taggaacaca	300
cacatatcca	tacaccaaag	ggaaaggaca	atctctggaa	atgctgtttc	ttctgggtgg	360
gttcctctt	ctgggcttgc	t				381

<210> 15  
 <211> 2894  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 15	gggaggacag	gcacagaggg	agggagcgag	cgagcagtga	gtaagccagc	aagggcggtc	60
	gggtcccgag	gtcagccgag	atttctcagg	tccctccggc	cccctccctg	gagtccacag	120
	cgctccggg	gtccagagga	tcggacacgg	cccggcccg	ccatggcctc	gttgctgaag	180
	gtggatcagg	aagtgaagct	caaggttgat	tctttcaggg	agcggatcac	aagtaaggca	240
	gaagacttgg	tggcaaattt	tttcccaaag	aagttattag	aacttgatag	ttttctgaag	300
	gaaccaatct	taaacatcca	tgacctaaact	cagatccact	ctgacatgaa	tctcccagtc	360
	cctgaccca	ttcttctcac	caatagccat	gatggactgg	atgggtccac	ttataagaag	420
	cgaaggttgg	atgagtgtga	agaagccttc	caaggaacca	aggtgtttgt	gatgcccaat	480
	gggatgctga	aaagcaacca	gcagctggtg	gacattattg	agaaagtga	acctgagatc	540
	cggtgttga	ttgagaaatg	taacacgcct	tcaggcaaag	gtcctcatat	atgttttgac	600
	ctccaggtca	aaatgtgggt	acagctcctg	attcccagga	tagaagatgg	aaacaacttt	660
	ggggtgtcca	ttcaggagga	aacagttgca	gagctaagaa	ctgttgagag	tgaagctgca	720
	tcttatctgg	accagatttc	tagatattat	attacaagag	ccaaattggg	ttctaaaata	780
	gctaaatatc	cccattgtga	ggactatcgc	cgcaccgtga	cagagattga	tgagaaagaa	840
	tatatcagcc	ttcggctcat	catatcagag	ctgaggaatc	aatatgtcac	tctacatgac	900
	atgatectga	aaaatatcga	gaagatcaaa	cggccccgga	gcagcaatgc	agagactctg	960
	tactgaggcc	agggccagg	ccaggggact	ctgtgagttc	ggctcaagac	cgacattgcc	1020
	ttggtttgtt	acatgactat	cgtgatgggg	aaactggctg	gaaatagtaa	tcacacctct	1080
	ctgttttttag	ttagagtcta	atgaaactct	catctagttc	tgtgatgtgt	ttacctcttt	1140
	tttcaggcct	caggaaactct	tctatttctc	tccctaatac	cccacacca	acctgtcgta	1200
	atttctggag	aactccagg	ttgtgtgtgc	aggatgttgg	cacaaaaata	cctgtgtttt	1260
	cattctcccc	ctctctccct	cctgtgtctg	gcgctttatg	ttttcttccg	tttgataatt	1320
	agttggttaa	aagctgaggg	aaccggaagg	aaagtgttag	gtgtttttta	ggaactaggg	1380
	tggagggggg	acgaacttct	cttctccaca	tgaggttact	gtttctttcc	tctgtggggc	1440
	attggatcct	cccacagttg	ccctggtgat	gacttaggac	ttcccatctg	tgacatccca	1500
	ctttgaatct	tgatcgtgac	aagaaatacc	ttaggccttc	agtcaattcc	gaagctcctt	1560
	cagttgtttt	tataatgggc	gtttcacatg	cacatatgtg	tatgcatgta	tacgcccata	1620
	cagacatgca	cacacagact	cctactccat	tagctaacat	accctccctc	tccacaaccc	1680
	gtgtcacata	cctttcagga	ggtgacagtt	gtcttagttg	tcattctacc	agacaaacgt	1740
	cctgggcccc	tcttccctcc	tgatactgta	gcctcttggg	acccagggtg	agttgggtgga	1800
	gaacagagag	atgagaagca	gagggcttgg	ggaaagcctg	ttcctctctg	actcagccct	1860
	ttttggcatt	attgcaagag	cttgactcct	ggttgctttt	tcccagccag	ttttcagttg	1920
	gggtgaaggt	ttctgcaagt	gtgaggtcca	gatgctgctg	ctcatgttgg	gctttccttt	1980
	tgggaactat	ttctctttat	ttatagtgtc	gggcttccgg	ggaaagcaat	cattgggtgtg	2040
	tatgtgtatg	tgccatgcac	acacgtgcat	atatacacat	ttgtgtatgt	ggaaatgtgc	2100

tgggcaagtc	aaaactatag	aagagttgcc	tctgtctct	cgaatcttcc	agagatatca	2160
cttaattgtt	aacagctttt	gtgttaatcc	ccttcatccc	ctagcacttt	tattctacca	2220
cggctggaga	gttganant	acagtcagcc	tgccagtgac	tcttagtgtc	tgtttctgac	2280
ttatttttcc	tgtctctgtc	ttccaacccc	caataatatt	tcccaccggg	gatgcatcat	2340
ttttactccc	aatattctgt	agagagggag	tcaggatgct	gtcttccac	gaatagtact	2400
cagtaacaaa	ccaattgcat	tttagttggg	cagtgtctcc	acccaccctg	cagatccctc	2460
cagctaaaac	ccttccccct	tccctccatg	tgtttctcag	tttcccggtc	gtttgttgga	2520
ctgttccact	gcccctcctc	ctcacccctat	cacccatgga	tcgtaatgta	aaattctttt	2580
accatgtcaa	gaaattatta	aaaatacagg	tactttgacc	tctttctaaa	gccgcagacc	2640
ctggtgcaat	gctctggtgg	ctagggatgt	actcatgctc	atatgtgtgc	acgcttgga	2700
acccacctcc	atggacacct	agccaccctg	ttgtgtgncc	ttatgccagt	tgagctgaat	2760
cttttcccca	gtatagtgga	aagactgagg	cttctgccta	ctgagcaagg	ttgggtgctt	2820
catttgtgtt	cagtctgaat	tatgggaaag	ttagctcttc	ccagacctaa	gctgccttct	2880
ctccctactt	tcag					2894

<210> 16  
 <211> 3076  
 <212> DNA  
 <213> Homo sapiens

<400> 16						
gaattcaaaa	tgtcttcagt	tgtaaatctt	accattat	tacgtacctc	taagaaataa	60
aagtgtctct	aattaaaata	tgatgtcatt	aattatgaaa	tacttcttga	taacagaagt	120
tttaaaatag	ccatcttaga	atcagtga	tatggtaatg	tattat	ctcctttgag	180
ttaggtcttg	tgcttttttt	tctgtggcac	taaatttcac	aatttccaaa	aagcaaaata	240
aacatattct	gaatattttt	gctgtgaaac	acttgacagc	agagctttcc	accatgaaaa	300
gaagcttcat	gagtcacaca	ttacatcttt	gggttgattg	aatgccactg	aaacattcta	360
gtagcctgga	gaagttgacc	tacctgtgga	gatgcctgcc	attaaatggc	atcctgatgg	420
cttaatacac	atcactcttc	tgtgaagggt	tttaattttc	aacacagctt	actctgtagc	480
atcatgttta	cattgtatgt	ataaagatta	tacaaagggt	caatttgtga	tttcttcctt	540
aaaatgtatc	agtataggat	ttagaatctc	catggtgaaa	ctctaaatgc	atagaaataa	600
aaataataaa	aaattttttc	ttttggcttt	tcagcctagt	attaaaactg	ataaaagcaa	660
agccatgcac	aaaactacct	ccctagagaa	aggctagtcc	cttttcttcc	ccattcattt	720
cattatgaac	atagtagaaa	acagcatatt	cttatcaaat	ttgatgaaaa	gcgccaacac	780
gtttgaactg	aaatacgact	tgtcatgtga	actgtaccga	atgtctacgt	attccacttt	840
tctgtctggg	gttctgtctc	cagaaaggag	tctgtctcgt	gctggtttct	attacactgg	900
tgtgaatgac	aagggtcaaat	gcttctgttg	tggtctgatg	ctggataact	ggaaaagagg	960
agacagtcct	actgaaaagc	ataaaaagtt	gtatcctagc	tcagatttcg	ttcagagtct	1020
aaattccgtt	aacaacttgg	aagctacctc	tcagcctact	tttcttctt	cagtaacaaa	1080
ttccacacac	tcattacttc	cgggtacaga	aaacagtgga	tatttccgtg	gctcttattc	1140
aaactctcca	tcaaatcctg	taaactccag	agcaaatcaa	gatttttctg	ccttgatgag	1200
aagttcctac	cactgtgcaa	tgaataacga	aaatgccaga	ttacttactt	ttcagacatg	1260
gccattgact	tttctgtcgc	caacagatct	ggcaaaagca	ggcttttact	acataggacc	1320
tgagacaga	gtggcttgct	ttgcctgtgg	tggaatattg	agcaattggg	aaccgaagga	1380
taatgctatg	tcagaacacc	tgagacattt	tcccaaatgc	ccatttatag	aaaatcagct	1440
tcaagacact	tcaagataca	cagtttctaa	tctgagcatg	cagacacatg	cagcccgtct	1500
taaaacattc	tttaactggc	cctctagtgt	tctagttaat	cctgagcagc	ttgcaagtgc	1560
gggtttttat	tatgtgggta	acagtgatga	tgtcaaatgc	ttttgctgtg	atgggtggact	1620
caggtgttgg	gaatctggag	atgatccatg	ggttcaacat	gccaaagtgg	ttccaaggtg	1680
tgagtacttg	ataagaatta	aaggacagga	gttcatccgt	caagttcaag	ccagttaccc	1740
tcactacttt	gaacagctgc	tatccacatc	agacagccca	ggagatgaaa	atgcagagtc	1800

atcaattatc	cattttgaac	ctggagaaga	ccattcagaa	gatgcaatca	tgatgaatac	1860
tcctgtgatt	aatgctgccg	tggaaatggg	ctttagtaga	agcctggtaa	aacagacagt	1920
tcaaagaaaa	atcctagcaa	ctggagagaa	ttatagacta	gtcaatgatc	ttgtgttaga	1980
cttactcaat	gcagaagatg	aaataaggga	agaggagaga	gaaagagcaa	ctgaggaaaa	2040
agaatcaa	gatttattat	taatccggaa	gaatagaatg	gcactttttc	aacatttgac	2100
ttgtgtaatt	ccaatcctgg	atagtctact	aactgccgga	attattaatg	aacaagaaca	2160
tgatgttatt	aaacagaaga	cacagacgtc	tttacaagca	agagaactga	ttgatacgat	2220
tttagtaaaa	ggaaatattg	cagccactgt	attcagaaac	tctctgcaag	aagctgaagc	2280
tgtgttatat	gagcatttat	ttgtgcaaca	ggacataaaa	tatattccca	cagaagatgt	2340
ttcagatcta	ccagtggag	aacaattg	gagactacaa	gaagaaagaa	catgtaaagt	2400
gtgtatggac	aaagaagtgt	ccatagtgtt	tattccttgt	ggcatctag	tagtatgcaa	2460
agattgtgct	ccttctttta	gaaagtgtcc	tattttagg	agtacaatca	agggtacagt	2520
tcgtacattt	ctttcatgaa	gaagaaccaa	aacatcatct	aaactttaga	attaatttat	2580
taaatgtatt	ataactttta	cttttatect	aatttggttt	ccttaaaatt	tttattttatt	2640
tacaactcaa	aaaacattgt	tttgtgtaac	atattttatat	atgtatctaa	accatagtaa	2700
catatatttt	ttagaaacta	agagaatgat	aggcttttgt	tcttatgaac	gaaaaagagg	2760
tagcactaca	aacacaatat	tcaatcaaaa	tttcagcatt	attgaaattg	taagtgaagt	2820
aaaacttaag	atatttgagt	taacctttta	gaatttttaa	tattttggca	ttgtactaat	2880
acctggtttt	ttttttgttt	tgtttttttg	tacagacagg	gcagcatact	gagaccctgc	2940
ctttaaaaac	aaacagaaca	aaaacaaaac	accagggaca	catttctctg	tcttttttga	3000
tcagtgtcct	atacatcgaa	gggtgtgcata	tatgttgaat	gacatttttag	ggacatgggtg	3060
tttttataaa	gaattc					3076

<210> 17  
 <211> 1412  
 <212> DNA  
 <213> Homo sapiens

<400> 17						
gaagagacag	tttatcttct	gagccgaatg	ggtaatagcc	gaagtgccct	gaagatgatt	60
atggaggaat	tacatgatgt	tgataaagca	atcgaatttg	ccaaggagca	agatgatgga	120
gagctgtggg	aagatttgat	tttatattcc	attgacaaac	caccatttat	tactggcttg	180
ttaaacaaca	ttggcacaca	tgttgacca	attctactga	ttcacctgat	taaggaagga	240
atggagatcc	ccaatttgag	agattccttg	gttaaaattc	tgcaagacta	caatttgcaa	300
attctgcttc	gtgaaggctg	caagaagatt	ctcgtagctg	actctttgtc	cttactgaag	360
aaaatgcacc	gaactcaaat	gaaagggtgt	cttgttgatg	aggagaacat	ctgtgagtcg	420
tgcccttccc	ctattcttcc	atcagaataa	cccagtggag	agaagtgttg	tggtctccat	480
cctgctcagt	ggaatgctgg	tgctgccatt	gcttagagct	gaggttctca	agctctagga	540
tgtagctaa	cccttcagcg	tggtgggtct	ccattgccgg	cacatgttcc	acaaggagtg	600
cctgcccattg	cccagcatga	actctgctgc	acagttctgc	aacatctgca	gtgctaagaa	660
ccgtggacca	ggaagtgcaa	ttttggagat	gaaaaaatag	ctcatttctc	cttgtcagtc	720
tccttgtcac	cactcttttt	gagactgttt	ttgcaacaac	aaaagcattt	gttgacactc	780
gtgctgttaa	gagatttggt	tatgtttata	ttatactcaa	aaacaatttc	ttcatctatt	840
cctgtactaa	tggtttctct	ttgcagttca	cagagaattt	ggggctctct	tcatgccttg	900
aaattttggg	gtccatagt	aatattttgt	tattttattg	tttggctcat	tctttatata	960
gtaatggaaa	cataagtcta	ggagttagaa	atgaattttt	tagaccttag	taaaaccatt	1020
taaccataaa	atggacaact	gagaattctc	ccagctgcct	gaaagcgtcg	ccaactgtgg	1080
ttatcctgca	agctgctacc	tgcaacttgg	acgttggttc	cacgtgctct	gctggctacg	1140
attcttgcac	tctgggtttg	gcttttttct	gtgtcatcaa	ctatggttat	cctctaaata	1200
ggcattta	gaaacattgt	acaaattgtc	actcatttga	tgacacctgg	gaataacatt	1260
agcaggctga	tgtcctgcac	cattatgttt	actaatcaca	tgttctgtgt	gctgtgacga	1320

ctgtcaaaga gtatctggcc atggcggaca ctcagcattt gttgattgaa taaatgtag 1380  
ctcttctcaa aaaaaaaaaa aaaaaaaaaa aa 1412

<210> 18  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 18  
cgaaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttggatg tgggccttag 60  
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga 120  
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg 180  
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta 240  
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggccttagat 300  
ctttcattcc acctcaggaa tgaggttgtg atctttcctg tcctgaccct ctctgaatta 360  
tgtttcaata gtactcttga ttgtctgcca tgttgttgaa gcaaatgaat tattttttaa 420  
tgtaagtaa gtaaataaac cttagcccgt caaaaaaaaa aaaaaaaaaa 470

<210> 19  
<211> 738  
<212> DNA  
<213> Homo sapiens

<400> 19  
aatacagcgc attcaacttg caaacaccct tccactccca caaagagcaa gctgtcactg 60  
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccacca ctcggtgacc 120  
aaatttgaaa aaaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaaag 180  
tttgtattta aggaactgtt tcagttcata ctttccactg cgataggaat catgtctggt 240  
cgcggaag gcggaaggt cttggggaag ggtggtgcta agcgccatcg taagggtgctc 300  
cgggataaca tccagggcat tacaaaaccg gctatccgcc gtttggctcg gcgcgggtggg 360  
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420  
gagaacgta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480  
gccatggatg tagtatatgc cctaaaacgt caggggagca ctctgtatgg cttcggcggc 540  
tgaatctaag aatacgcggt ctctgagaa cttcaaaaaa caaaaaaacc caaaggccct 600  
tttcagggcc gtcacaaaag tcgttttaaag agctgaaatg cgttgcgaga atgagtttgg 660  
atgacagaaa taaccgtgac agcctgcata agaatgaatt gtgtttgcca tgaccggcca 720  
cactgtgaca aaatttca 738

<210> 20  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 20  
aactgaggca tcatggcagt ttaatagtga ggtatttaaat tgcattttta taaaaaacat 60  
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag 120  
gacctaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa 180  
gccattacaa actggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc 240  
ctgcccctcc acacactgtc tgagcgtgca cttttctttc gaaggctaatt ttatgaggca 300  
ttctgctga gtcagggcta ttgctaagtga gaaggtttga tgaacctccc agtagaaaat 360  
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa 420  
actatacaat aagagggttg gtattt 446

<210> 21  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 21

```

gggtgttccct gagcgggttgc tgcgggtgat ggatactctt ctgatactgg ctcttcgtgc      60
tataattttct tttctcacca agagcaggtg ccctttcaga agggaatggg antngagggga    120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc      180
agcggccgga anactggtgg gctgcgggcc ggcgcggtt cannaggctt ctttttccgc      240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca      300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag      360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca      420
ncgataaaaag gtggtttcca an                                              442

```

```

<210> 22
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 22
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag      60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc    120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa      180
gatggctcct cagagggcag ggaggttagc tacggaggcc gtcacgtgg aaatgtccag      240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg      300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa      360
ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtctt ctc          413

```

```

<210> 23
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 23
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt      60
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa    120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt      180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa      240
aatgtgttca atggagttac atggtttttag aaaattaagt ataatgttaa aattaagctt      300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac      360
agtttgaaaa ataatttata tgtctagc                                         388

```

```

<210> 24
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 24
ttcttgcttt ctttaaactct ttatttaaaa gtccatgcta ataatgtgtt tacattttta      60
cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga    120
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag      180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact      240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt      300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc      360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg          415

```

```

<210> 25
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400> 25  
gaattgtgaa gctgtttatc aaatgtttta gagaatttac acaagaatgt tttgacccca 60  
caaaaaataa tgtgcctaag ctttaaacia aattcacatt ttatttagat tgaaataaac 120  
tatacaaaat tgatttttctt caccaaaaat aacagcaata ttttccatat ttttctagat 180  
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag 240  
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc 300  
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa 360  
gcttaggaag atgtaggctc caciaaggaa tgtaaacagc aacgagatgt ggaacaacag 420  
caggcttttc cattcaaact ttgtcatttg tttcctttaa gttcaagaaa gaccaaactc 480  
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa 540  
ctgtccaggt atagatttta accatacctt aaaactccct attagtcaag gnccaattgt 600  
gggcttcncc tacacatttt ataaatggtg tccctcc 637

<210> 26  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 26  
gagggaaaga caaacgtat ttattccagg ccaggtctta aaatgcacac tgcacggttc 60  
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120  
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180  
cagttggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggat 240  
gcagagaaga ggacagaatc t 261

<210> 27  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 27  
tttttttatt gttttatagt tttatttttt ttaaagaca gttacaagtg cttttccctt 60  
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt 120  
tgtctaaact gaacttatat aattgcacaa aagtcatgga aagcattaag aaatgctggt 180  
aaagattgaa gttttctcag attcttgccg aattccaaga agccttgatt ccagtgggtc 240  
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca 300  
caaccaggag aacctatgtg gtttgtaaca gtgaaattct gctctactgt taagggttaa 360  
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc 420  
aggcttaaaa cttgttttga gctat 445

<210> 28  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 28  
tacaataaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60  
cttcttggtc gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120  
tccccttgct ctctccttggt ctttggtaac cactggcccc agggactcag cctgctttcc 180  
tatccatccc ctcatgagct gtcaccatgc aggttacccc ttctgtttct tctaccacta 240  
actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300  
ttattgctaa tctgtaaac agaaagagac aggagataag catgacaaaa tataggaag 360  
aaatgacttt tgctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420  
tagcacacct ctcaaataag aagg 444

<210> 29  
<211> 451  
<212> DNA



```

<213> Homo sapiens
<400> 29
ttcatatttc aagtgttttt attctgagca gtaggtacaa aaaataatga catagttgtg      60
tctaattctg tatagttcag caccctccac aggctgtcaa tctctgattt gatctacttt      120
taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgctcacat      180
tggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt      240
gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa      300
aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctcttgtag      360
ttgtgacctg attgttcgta taaaggccac tgttaccctg tcttcaaatt cattcagggg      420
agtataaagg tttaaaattt tgacaatctg c                                     451

```

```

<210> 30
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 30
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcatgagaa acagtcactct      60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca      120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga      180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac      240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag      300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc      360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt      420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct                                     466

```

```

<210> 31
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 31
gtgggttttaa tctgtgtttt gagatttttt tcaaatggaa agatattaca gatagaaaca      60
catcattcta ggtttcaaaa tcaccaaagt cagtgagaag aatgtacatt catttaaatg      120
taatcatttg taaataaaga aatcttgaaa aggctgaaca gttcaatcaa attgaagaat      180
tgatctagat ttttcattat tcttttttaa taatgagtaa gtgtagatat agtgtacata      240
caagttgaca ttctgattca ttcaaaatag tcacatccct ttgcttggtt ttggatgttc      300
cagagactaa aatttaatac cattcataac atagtatttt cagtaaaaag aattatagag      360
caatgaaaaa tcagaagatg gctcagagag ctttataatc tctaaatata cacacatt      418

```

```

<210> 32
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 32
tttttacaat tccataccac caccacatct gttctgtgct tttattttac gaaaaagcta      60
atggcaaate tacattaaac taagttgaat acaaagtcct agtgaagaag gcctggtggt      120
ctcgtttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca      180
aatggctttg catttgcatg tttcagtgtc agagcgtagg aatagaccct ggcgtccact      240
gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa      300
gaaatgactt ccacaaactc tccatccctt ggctttggct tcggccttgc gttttcggca      360
tcatctccgt taatggtgac tgtcacgatg tgtatagtag agtttgacaa gcctgggt      418

```

```

<210> 33
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 33
tctgaaaatc agcctttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt    60
tttttccctt cagatttttga ttataagaat aacgggtcag aggtgtctct tccataggaa    120
actgacatcc cctatgtcct cagagttgtt tttttttttt tttcttcaaa aaaatgcata    180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc    240
ctctacaggc acacatattc acacaccaa gggactcctt cctgtaactg gggaacagaa    300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaatgc atttacactc    360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa    420
aaattacaaa tggcagagac ttgagc                                         446

```

```

<210> 34
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 34
ttttaagtcc tcacaacagt gattttatta aattagttgc tttataaaac attgcagatg    60
tcataattgt taacataaca atttaccaaa ctgtagttaa ctgggtgcagt ttgctgagca    120
tgttttataa aggaaaggaa aggaaatgcc aaaaccctgg taaagttgtt ccattgcagc    180
ctaagagaac aaagatttgt ttctcagaca cttaaatacag gcaaataaaa ataagtttcc    240
ctccccacc tgaagcagtt catcagtaga aatagcctga taaataacta gacagtcttt    300
gcactcgaga gattccacaa catgtaatgc aataatggaa aggtttacct tctttagctt    360
caaagttgga gggttttggt cattttaatt ttatatcaaa ctagtgcctt tcagccgcag    420
tatcttcact ctgagataag cagtcttctt ccacaatgga attttttnata tccccatggt    480
ccatttttaa gaccaagcca attttaatac naggtgcccc ccacatggcc ctggctgcaa    540
acngcttttc ctggaccagn tttgaagtag ttccaggngg g                                         581

```

```

<210> 35
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 35
ttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata    60
taaaaacatt ttgataatat acaaacagca atcacaacag catccacatg gcagcaaggg    120
gaccagggca cagagnnggg gagcgggctg gggagggaca gttttcaggg tcccagttgc    180
ttccctggct tgaaatcacc ctggtcctag cagaggacag gttaaggctg ccagaggang    240
ngggtccctg acctggggcc ggagacagac tgcccaggca ggccctctga taccatcttc    300
caaccatggc agcctccagg aaaagccaga tccatttagg agataacagg aaggtggctg    360
tgattgacag gaaaggcaac atggttcctc agcatcctgc tgatcacacc tctgggaggg    420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac                                         465

```

```

<210> 36
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 36
tacatgtata ttatttattg ttgattctgt acaccaaagc gattacaagc agcatccagc    60
agaagacaga ccccccaacc ctgccacca gggtcgacac tctacaaaac cctgagggcc    120
tagaaatctg taaatgcacg gccaagcact ggggctgatt tgcagtaatt ctctaagcaa    180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc gggttggtga gaacaatctc    240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgagcc    300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa    360

```

cgcagattca gttctgactg tg 382

<210> 37  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 37  
cttcacacag taagatcagt gtttgctaag tgttatcagc caatgtacag cccccccaa 60  
caccgtaaaa cgttgttcca gttattttac tttaaaagag gatttaaata atgcgacgtg 120  
ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180  
ctaagccgac cagggctaga cactaagcca gaaaagcctt ttccagagtt tcctcttcg 240  
cacaaaagct tcctttctgt cactccaccc aaccacccag ctctccctt aagtgtttga 300  
aagataattc tataagtctc ctc 323

<210> 38  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 38  
tttttttttt caagtatatt tactctttat tgcattcctt catttgcat aaacaatatt 60  
ttttcaatac agttttggac aaaacacaaa gacattaagc tcatttaaca agagacataa 120  
gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
aaaataagct agggaagaaa acccaaaaaca aagaagatat gacatccaag tctccaccaa 300  
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360  
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 39  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 39  
tcttatttaa aatatttttaa tttctaaaaa gcttaaatac tattaaaatt taaacaattt 60  
cattgtacag tacttgacaa tacatttcaa caaactgaaa ggcaaaccag taaatcagtt 120  
ttgcttactt tctaagctta ataatgtaca gactcttgct cttcaagaag atgcaaaaat 180  
cagcaacagt acaagtgaaa tatttaataa ggaatctgaa acaaaacgaa ttcaatctga 240  
tcaaateccac aattaattga agttttcatt ttattcaatt gtgaataaaa tagcagacac 300  
tgtttcatcc aataagccaa tgatatcagc ttaggagaaa tgatctgcct ggcttgtgca 360  
agacaagaac agttaccttc tgctgaaagg atgtgagttt tcaaatttgg ttttcatgtc 420  
atagttt 427

<210> 40  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 40  
ttcaaagtgc acatttaatg ttttcaccac tgtacttcaa atctacattg tacaaagtga 60  
ccagaaagtg tgccacggta attgaccaac ctctgagatt gtacctttca caccagtgtc 120  
ttcttgggct cttttgatac taaacacggt tctcattcaa gtgaattgaa atgcttcagt 180  
tggttggatt ctgaggagcc tcataaaaaa aaaacaaaga tattgcacca tctttgttta 240  
gtaattcaat gtttgtttct ttcacagcaa ataatt 275

<210> 41  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 41  
ttttttcata atgatttatt tagataacaa acattaatgt gaaacatata ggctattggc 60  
aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120  
gtttttaaac cagaagattt ctacactaac acacatttat attaatagaca cataaaaaaa 180

ataaaaaactt	tattacaaaa	ataagttaca	ctcgctcca	gcttacagta	taaaacaatt	240
ttatttgcag	gaatgcaaaa	tgattgtttg	ccatgagcat	tttgaacata	tgacatgtcc	300
gattttcttg	ttaaatttgc	atttactggg	gaactggtgt	gtataaaacc	ttaattaagt	360
ataagc						366

<210> 42  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 42	acatagaaaa	aaatgtatat	ttatatccct	aaaaggcaat	acagaattta	taaccaaacc	60
	atgtgtgaga	actgtttaat	tacattccaa	ataccagcag	tggaacaaac	agaaacacag	120
	agatgtttta	aaaaacatgc	agcacgttac	aaagaggccg	tgtaataatt	cacaactttt	180
	gttagcagcc	gttaagtttg	attagtatta	agcagcaatg	gtttaagcaa	ttttaaatca	240
	tgatatgata	gttacaata	tgcatTTTtac	tg			272

<210> 43  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 43	ttttttttaa	attaatcaac	caacacccat	tctattttaag	gttccaaaag	gaagtagctg	60
	gacccggctg	cagacacact	cccaccttgc	ttctgtccca	aaagtacatc	ccctacgtgt	120
	ggttctcctt	aaacaatttt	aatgtctggg	ttgggggaagc	aggtagagcg	cgtagaggca	180
	gctgctagag	gctggttgct	gactccaggc	cgcgttccag	gaaatatcgg	tggaagaac	240
	ggggacgggc	ttgggacctt	tcattgagga	agtaggatgt	gatcttctctg	agtcctctct	300
	gattctcgga	tgctgagtc	tcccatataa	catcttc			337

<210> 44  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 44	acattcagat	gtttttactg	cttgattaca	tttcttggtt	tcacatttaa	gacttcaatt	60
	tataagaagt	aaattatatg	tttttcaatt	taagaacaga	tgaatgcagg	aacattatga	120
	acattatgtt	ggggaaaaca	aagagacccc	aaattaaaaa	acaaaacaaa	tcaaacata	180
	actagttgtg	cagctctgga	gaacttaata	aaaagtaaat	caacttttaa	atcagttaac	240
	tttggcgtct	gaatacaaaa	tgtttatcag	tattacctat	gtagatgact	attaagggat	300
	gtgcagcatt	ttcaaaatcc	ctgtgtgtcc	tttgtatgca	tgtttggtac	actgagttct	360
	gtggtcactg	tcctctcttc	agcagggttt	ttttacccca	gtacgattgt	ccatctctgt	420
	att						423

<210> 45  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 45	gattgtattc	aaatttttat	tttttgaaca	aaaattttaag	acaatgattt	taaataataa	60
	aacatgggat	atattctaga	cactgggtttt	ttttaagat	ttattaaatt	tagactccta	120
	tagttctgtt	gtgatgcttt	cttcaacatt	tatattat	cttaccattt	tatcatcact	180
	ccaagcttgc	taaacaaga	atctctctgt	taagtgaagt	tttacattaa	ggaaatactc	240
	cactagcaca	ctgaacaaac	ctacagaact	gtcctagttt	atatttacia	aacacaagaa	300
	gtctgtccag	ccattttggg	tttggtgtta	cactgtccat	actgagatca	gcagagagct	360
	aagtaataca	caagattacg	cttcggcagt	gcaaaggatg	gcacaaac		408

<210> 46  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

```

<400> 46
gcaggtaatc ttatttttccct aagggttagtt tcatgatgac agtgtcaaaa aattactgtg      60
gataaagaaa aaattgtctc aatgaaatag aatttttcac tgaacacaga aaccatctca      120
atagtgtctg ctccctgggt tccaggccac gcaacagaca tcaaaccagg aagccaaact      180
ttcatggacc tgtgttaaga aaaacacaca tacatgggca tactactttt tccagaaaaa      240
cggaattagg cagagaagga agtgtgggtg tacaactgat ccacaagcta ttgggaaatc      300
aatagctaaa aaatgtcaac accctggcct ctttttatca ggaactccag gaggctgaag      360
gaatgtgag                                     369

```

```

<210> 47
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 47
gttaccaatc tgaagtggga gcggccgcca tttttttttt tttttttttt tttttaaaagt      60
ccatagattt taatgaaatt tctattcctg tctctgagcg gctgctgtgc tttgtctggg      120
tccccaggga gacaagagtc aggctggaat gagacctctg tctgccaggc ctttgtggag      180
gcctggggagg agaaaggcca aaggctttga tgcttgggac cgatgcccgg ccactcagct      240
ccagacacca gggatctggc aaggggggtg ggcaagggcc agacagacca acagccttgg      300
ggtcctggcg agactcgcca agaccagatc tgaagctggc tgggccaaag cagctgaggc      360
gg                                     362

```

```

<210> 48
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 48
caagatagag ggttttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttata      60
attttaaaaa ttatgcctaa tgatgcatca aatacaaaaa catataatac atcaatagtc      120
aaccctttcc ccataaaggc aaagttactg agaaatgttt atttttcctc tggtaatggc      180
taatccaggc aataatatga aagcaaattg aaaattcaca ttgcttcttt cattgcttct      240
gtcccttaaa cctgttaatc tttcagaacc acattactga ggtgctggcc tgtgcatgga      300
aacccaatga tatccaggct ttacaggctc agggcccagt ggacagacag gccctggctc      360
tccacgctgg ccaccatgtc ttcgatggca ttcc                                     394

```

```

<210> 49
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 49
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa      60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat      120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg      180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc      240
cgtgacaggc agaagcatgt gatggctctc agtcccaagt ggaagagcta atggtaaagt      300
catatcagaa ggcttcacat ccatagtttc tgataaagga ctttttttga tgggaatcctg      360
ttcactcaaa gtatgatcct ctgca                                     385

```

```

<210> 50
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<400> 50
ttttggaata ccattgtggt tattgatcaa acctggcttc gagtgtgaca gagccattct      60
tggtttctct tggaagtaac aagaacactg ggtaacatgt gaagtgcacg gagactcacc      120
tgaatcccac caaagtagta gctggacca gtagcctagc ttattgtctt ggcagtggcc      180
ctaccagta ccattagacc tggctttgtc ccttacatag gacagactgg gcttctccac      240
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg      300

```

```

agtcacaaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg 360
agtcacctggc ttgttccaga gccctggccc ttgagccctt ggactgggtca gtgcatggac 420
actctccctt cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa 480
tctataaata tgtatttgct 500

```

```

<210> 51
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 51
actgaaaaac tcagacttta ttcagattaa gttcctctac aaaaagtagg gttctgtccc 60
atgtgtctct gacacattta caaaatacca gtttttttaa attttgggtca aattatgagt 120
ggttgattta aaaacttttc caagaagaag aaaagcatgg agtagtaatt taaagaactc 180
aataaaaaact tctatttttt attttaaaat aatatacaca gtgttatttt cttcaagacc 240
gtcctgtgga tgtgaaatcc gtcttcgcgt catgtatctc ccatatccag cagttcagcc 300
atccagctac ctt 313

```

```

<210> 52
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 52
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaataaagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatgttg 207

```

```

<210> 53
<211> 221
<212> DNA
<213> Homo sapiens

<400> 53
aaagcgtga tggaattacc ctgctaggga accagcatac atatgtcatt cttttgtaca 60
gtatttttac aagtatttga ttttgtttac cctaatttat ccaactcagg aataaaaagg 120
aatctcagat ctatgagaag gacctccaat ttctcattct cagcttcaaa acaaattagt 180
cagtttaaca ttagtcaaga cacagggtgc tgtgaaataa g 221

```

```

<210> 54
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 54
gaaaagaaat ctatttttaa tggttttggc tttatagcac gaagcaggca ccnctcggt 60
aaaggcacac agtcctctct tctgccccac ctctgggtc cttaaaatcg agtcctgagt 120
tcagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180
tatcagacac ccaggggcaa ggcccagact ggctctgaa gctaaagg 228

```

```

<210> 55
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 55
ttacaggat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta 60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120
ttcaagctac ttgacttggt aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180

```

taaaatgaaa	tatgctcagg	ctgataaaca	aacaagatat	taaaatggag	actgacattg	240
aactacatag	tcaacttgaa	aaacacaaga	agacaatgct	cctataaaat	gatatattat	300
tggctttaca	aagacatact	ggttttatgtt	tacaactatg	ttttattttc	aaatggtaaa	360
ggaaaggctt	catgttgcta	tttgaaagta	cttctcaact	agccgggcat	ggtggcataa	420
ttcctgaagt	aggaggatca	tccccttgag	gccaggaggt	ccaggctgca	gtgagctgtg	480
attgtgccct	gaccatagct	tgggtgacag	agtgaactct	gtctcaaaaa	aaaaaa	536

<210> 56  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<400> 56	ttttgaaaaa	agatcacaga	ataattttat	ttataatgaa	tggtattctc	tccagacttc	60
	aactcatcag	tttactctta	taacagagaa	tcaatttaaa	taacaccatc	aaaatggaat	120
	gaatataaaa	caatctgcta	ttacgtatcg	atttctttga	taggatataa	ttatagccaa	180
	ttagtcttgc	aacacatggg	ccatttccag	tgaaattctc	aataaactgc	taggaattac	240
	agtccttcat	attgacattt	tattgtaaag	tctgctagac	gtggctctct	tgattgcttt	300
	ggaagtcagt	caaacaaatg	ctctgaagaa	aaggctgaca	ccgcaaaaaca	acttcatatg	360
	aaatctgtcc	acaaatggga	tagcaatgcc	tccagatcct	ttgggttttta	tcagtccttt	420
	tggaaagtta	attaattgat	gattgttccc	ttaaaattct	attttaaata	ggacaatcac	480
	tgtctataca	gtctgtgcc	gcgtccttga	ctttcttgc	tccactgatt	tgttt	535

<210> 57  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 57	gagagcacaa	ctccaaatca	tcttttatta	atataaaaag	ggcatattta	gcaaaagaca	60
	cacagataaa	agagtcacta	tggctcagga	cacaaggcag	ggaggtgcc	ggcctgtgcc	120
	cctgctgggg	gagaaggagg	ctcgggacaa	agtgggagaa	gtgctgggaa	gggctgagcg	180
	gtaggggcca	caaaagttcc	gggtgggcaac	actgtcggca	ggcatgggt	gggactcatg	240
	gggacctcgc	tgctaactct	tggtgtgggg	gggtgtcctt	agtgtgcc	cctggagggc	300
	cactccttgg	ttcctggagg	ggaccaccca	agggacacag	gacaggaagc	ccaggatggg	360
	tagtgcaact	cgggatga					378

<210> 58  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 58	ctccaaggca	tttattaact	cctgagtgtc	acggggccag	gggaaggctg	gagcaaaacc	60
	aagtctctgg	gggcgggggt	cctctctgga	tccccactac	tcagctcccc	gggctcccca	120
	tgcagcccta	gagacgggag	aagtccagt	tgctgttcaa	cttcctcca	agtcaccaag	180
	aaagtgggag	gcagtgttcc	actccagtgt	cgtccagacg	aacaa		225

<210> 59  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 59	tttctttaac	cgtgtggtct	ttatttcagt	gccagtgtta	cagatacaac	acaaatgttc	60
	cagttagaag	gaattcaaac	ggaatgccaa	ggccaagcc	aggctcaaga	aataaaaagg	120
	gaggtttgga	gtaatagata	agatgactcc	aatactcact	cttcctaagg	gcaaaggtag	180
	ttttgataca	gagtctgac	tttgaaactg	gtgaactcct	cttcaccca	ttaccatagt	240
	tcaaacaggc	aagttatggg	cttaggagca	ctttaaaatt	tgtgggtggga	ataggggtcat	300
	taataactat	gaatatatct	tttagaagg	gaccattttg	cactttaaag	ggaatca	357

<210> 60  
 <211> 378

<212> DNA  
<213> Homo sapiens  
<400> 60  
aacataaaaa aataaaattta ttttgagtct gaaataactga agaacaagca tacagataaa 60  
tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
ctattgcata cagacacatt tttacacaca aacatatttt ttaaagacat ctctccaaca 180  
ttctcaaaag gcaagagctg tatttgtgac atttgtaata aatgcaacag cttttgaaac 240  
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
attttctgaa aatacgacat acagtcatgt ttcgatcaac aattgaccac atatgacaga 360  
gacccataaa gattataa 378

<210> 61  
<211> 425  
<212> DNA  
<213> Homo sapiens  
<400> 61  
ctggttatgta tctgtgattt tatttcttct ttgggtatag ggttgagggg aaataagttt 60  
tgagtgagaa ataaacgttt tagctgaaat tgtatccag aagtttgaaa taagtagtag 120  
aagaggggga aaacaaggga gaagtgggtg ggaagacttg gtagattggg gccttaagta 180  
accacctcct ttccctctct gccccatga ctctctgctc caagttacag aagggaagga 240  
aaccatttta ctctttttat tctgctcatt aatgatctga aagaagaaga tggggaaaag 300  
gggattccac cacaaggctc caaagaacca agagtgcaa tcagtccatt tcactttcac 360  
tgtctgagat agggctctcta agaccaggat acaagggtgg aatgtagcta tatggactcg 420  
atttg 425

<210> 62  
<211> 418  
<212> DNA  
<213> Homo sapiens  
<400> 62  
gaaatgtaag tatacagatt ttaatttatt tttagaata attgtatatt ttaaaaacag 60  
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
agaaccattt acactatgtt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
aatagtgtt caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
aaagacagct caaccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
agaagaactc aggcaaagta ggcacaggaa tgggggagat gagagccaag ggacaaac 418

<210> 63  
<211> 286  
<212> DNA  
<213> Homo sapiens  
<400> 63  
caccactaaa aaaggctttt attacaaaat gaattctaata aaaaccaggc ctggtcttca 60  
acccctcccg ctgggtagag gccctagggt gggctagggt aggggagatg ggggtggggg 120  
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcaactgct gccctcctt 180  
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240  
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

<210> 64  
<211> 240  
<212> DNA  
<213> Homo sapiens  
<400> 64  
tactgctttc ttgattttat ttcaaaagta cacaaggctc caaaactaga gcaagttgtt 60  
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120  
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctataacttg cacacgtgaa 180  
gtgtcagaat attttcttca gtagtacagg tgtatttatc actaaaattc acaattaggg 240



**SECRET**

DECLASSIFICATION AUTHORITY: 25X-1076  
DATE: 08/23/2006

DECLASSIFICATION AUTHORITY: 25X-1076  
DATE: 08/23/2006

**SECRET**

```
<210> 66
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<210> 67
<211> 374
<212> DNA
<213> Homo sapiens
```

```
<210> 68
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<210> 69
<211> 463
<212> DNA
<213> Homo sapiens
```

19

aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360  
gtggagggggc tggcggacta ggggggccgc ccacctccca gtacaccttg cacttgccca 420  
tgcgccgggg gcatagttgt ggccccctcaa gctccagggtg caa 463

<210> 70  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 70  
tttttttttt ttttttttcc aggacgctca cacttagttt ttattagcca cagtttccca 60  
cagttttcta cctcctagga aatacacagc tcaccaaggg caccagtc caattctgtc 120  
ctgcttgcac ggctgacact gttgctcacc gagggtgaca ggatctgcaa agtcaccag 180  
ggcctggttt cctcaggtac agagaacccc aaagaaagaa gagccagaac ttagagcccc 240  
tttcttctcc atatgggata ggacacccaa gacaaatgac ccatgcatca tgaaacagag 300  
gcagggccta agctgcccga gaggcctggg cacttggagt tcttgccaac agccaggcca 360  
ctgaaccatt gcctgtccac cctcccacag tgggtaatcc ctggcctagt tgt 413

<210> 71  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 71  
tttgtttctt tgaattttat ctttatttct ccataagggc aatcagagaa atatgctttc 60  
ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt 120  
accaaactag ctattttttac aggccaataa agcaacatgc aatccccctc aacaaattta 180  
aataatcagg caatactaag aatgtatatt ccattaaact aaaataaaca aggttgaaat 240  
gtggtacaga attcactgat gagcctgtga actccacgtg aggatgtcca gtgccttatt 300  
tatctcagta accagagtac ccagcacaca agataaaaagt gggattacc taagtggcca 360  
ctatttttatt aataatgcac ataacatatg cttatcatta actc 404

<210> 72  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 72  
tttttttgca tcttaagaca aatattcttt tatttctgtt aaactgaata tacaattggt 60  
ccctaggcaa ccaacttttg cttataacta caatttaatt tcacgttgac aaaacacagt 120  
gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaaggg 180  
ttttttttct tgacttttct ataggggtca tattcattaa aaagcccaa aggctacctt 240  
tgcttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300  
caaattattgt ttttttaaaa tagcctgaga tgagagggtta tattgtaccc caccagctaa 360  
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404

<210> 73  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 73  
cacctacact gtctctgttc tctcttccag gaactcctaa cattacatat tgattgtcta 60  
tgtctttttt ctttctttat atttttctat ctatttcttt ttgctcttta tctggagaga 120  
ttccctcaac tttattttcc agactgtata ccaaatactt ttagcagtct tattttattt 180  
tcaaagagat cttcttattc tcagtcttct ctttcttttc ttgcttttta agagacaggg 240  
tctcactctg tccccaggc tggagtgcag tggcaccatc atggctcact gaagccttga 300  
actcctgggc tcaagtgatc ttcccacttc agcctcccaa gtagctagga ccacaggcac 360  
atgccaccat gcttggctaa ttttttaaaa ttattttgta gaga 404

<210> 74  
<211> 193  
<212> DNA

```

<213> Homo sapiens
<400> 74
tttttttttt tttttttttt ttttttaggaa cataaacttt tattgtcatc cagcacctgt      60
gatagtttca tgtctctcta aaggagacag gaaattggag cattgtgggc ctttttaaaa      120
gaaaagagga gtaggtaggc acaccaggt gcttctaaaa caaccaagcc caaacctgac      180
atgctcctcc cca                                                         193

<210> 75
<211> 406
<212> DNA
<213> Homo sapiens
<400> 75
agatttttta aaaattttat acaaatagac taactttgat ttaaagtaaa catataaaaa      60
ttgagaagaa tattgcttgc aacaatggac ttggaaggag aggaatggat taggcagggg      120
tacaaagaaa tggctcctac tcggtagtgc caggcacatg cccagcactc tgcagaactc      180
tcacagggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt      240
aacaacaact tcaggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc      300
atgtgatcta gaatgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca      360
gcactacagt caatttcgcc attgttgaag aaaaacggta taaat                                                         406

<210> 76
<211> 224
<212> DNA
<213> Homo sapiens
<400> 76
tttttttttt aagccttata tttttaataa aaaataaaca gtctctgaca agcagttttc      60
tgaatcccaa aacaaaggaa atttgagggg gagaggtgaa ggggtcagct agggtaaagg      120
agtgaagaag gctcagatta cccctgccat tctgccaggg cagaagggat cagagtctgc      180
ccaactgaa gcaagaagaa aggtggtcag acttcaggaa agac                                                         224

<210> 77
<211> 412
<212> DNA
<213> Homo sapiens
<400> 77
taagatcaat attcattctt catttgcctt cgtaacgaaa atagattttt aaatgcctca      60
aatatacaaa catcattgat gcacacacat tccagaaatg cagaggtatg ctgctgccac      120
ggggtagggg tgcgggaggc ggcctggcct catggcgcat gaccgtgcc cagcccgggc      180
ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat      240
gcgtgaggta ctgaagggga ccatggtgga tggcatcctg ggcactttgt agcttgtctg      300
agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcaccctggg gccctgacat      360
cctaaaatgc cccactgact accagtcact aggagaaagg tctccggcta tg                                                         412

<210> 78
<211> 408
<212> DNA
<213> Homo sapiens
<400> 78
tttttttttt tttttttttt tttttttttt ttttttcatt tttagaaaaa actttattta      60
caaaaccaca actcagtctg ctttggtatt gacaaaatcc ctacaactga gatattaaag      120
agatacattt atttttagagt tacataaaac cagaatccaa cactacccta ctttcctatt      180
cctttgtggc tctgaatgca gctttaaaaa aacaaaacaa agcaaagcaa agcaaaacaa      240
aacagctctt tataatgtac aatggcttaa gcaaatcgct ttagtttttt ttctatttaa      300
gatttaggac agactactcg tctaaaattc actatttaca gagaaggtec tagggaacag      360
gataacttat ttaggttttag ctctcataat acaatatcca taatggct                                                         408

<210> 79
<211> 308
<212> DNA
<213> Homo sapiens

```

<400> 79  
 tttttttttt tttttttttt tttttttttt tttttttttt ttacatccca aacagggtctt 60  
 tttatttaac ataaggccaa agaagctatc aggcgttgct gaatactgtc cactaactgt 120  
 acaaaatatt gactgcatgc ctgcgaaaca ccaaaatatt cgctggaatg ccatagaaat 180  
 aaataacttc tgctataaac acatgaaaac atatcaaact gttatctctt taaacatatt 240  
 gtaaataaaa aaattaccag tactttctaca caataaatat taagaaacca ttgacatagt 300  
 tgaaatgc 308

<210> 80  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
 ttacttttag aatttttattg acttttttct tcataacttt aaaacaaaaa cagcgcatga 60  
 aaaccagtgt cttattccaa agtctcaact cagctgattg ccagggtgaac atcaccatct 120  
 tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccacccaag 180  
 acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240  
 gccatcttc tctcagcagt tcttcccatc tgctaagatg cgccttcctg gtggctctct 300  
 ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360  
 ccact 365

<210> 81  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 81  
 tttgaacata aaaattcttt atttaacctt atccagccag tattgagata gtttgctata 60  
 ttaaaaacaa gacgttttaa aaaattacag caaagttagc aaggcagtga ctaattaagt 120  
 cactaagttt aattttatat tcttcacagt catttcataa tcatgtaatg gtaacaata 180  
 ttttcagcca ctttgagatg aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240  
 ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataacac agtaaagaaa 300  
 tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360  
 ttcatttgct cccaatgcct ttc 383

<210> 82  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
 tttttgacca tctccaaatg gttctttatt gaacacccac tttggctagg caatatectc 60  
 cccctgccct ctaatccagg ctccaggtacc cccagtggag tatcctcaga aggcaactcc 120  
 caagaccagg agtaatgaga gattgggcag agggtaaggg acagcagggg gacggaggaa 180  
 aatgaagaca ccagggaaag aggagaggcc tgaactggac agctgatgct ttgtcctgcc 240  
 cagcaccatc tcttcccttc ttcaggtaat atcatctgcc accacaacca ccagcaccaa 300  
 ctctcagtct ctgtgggtac atgccaggcc tgtccatttg gtgtattcca tcttccctgcc 360  
 cacaatgatg acttgaggct ggatac 386

<210> 83  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
 aagaagaaaa ggctgtaatt ttattttcaa atttttggaa gtttttcaga aaaaaataaa 60  
 atgacaagaa cacatacaaa tattgaaatt attcattgaa ctataaacac ttagcagagg 120  
 aagggaacttt tgatgtattt gaatccacct ccttctgaaa gcaggaatca cttctaaatg 180  
 tctctcatat ctttcttcaa ggagtgggtt tccaggaggt tccagcctc ctcaaattct 240  
 tcccaagttt gatgcacttc acctcataaa aataatatat atat 284

<210> 84

<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 84  
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60  
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180  
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300  
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 85  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 85  
aganaattnn ttttattcag cctgatatag atcattttatg aaaaactaac agcaaacatc 60  
atcctcaatg gtaaaaggct gaaggatttt tctctaaggc taggaacaag gcaaatgcct 120  
gctcttgcca ctctattcag catagtgtcg ggagttctag acagagcagt taggcaagga 180  
aaaggaaatc taagggcac ccaattggga aaggagggga aggtaaaatt atctctgttt 240  
ggccaatgga tatggatttt atatgggatg gaataggaaa acccttaaag gattccnccc 300  
aggggcccngg ggnccggggtg ggcctcacgg cttttttaat tccccagcac tttgggggga 360  
ggggcccagg gtgggggngg ggtttgcttt gaggggccag ggggggtttcc aggacttggc 420  
cggggggggg 429

<210> 86  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 86  
tttttttttg atgggtggtg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aagggggtgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 87  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 87  
gtaaactctt tgctttggtt ctgtgtctat actggcatct caggagagtg agatatccag 60  
acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag 120  
tgaggacagt gtcacagct agaactgacc gtccccacac ttcatctccc tccagggntc 180  
tctgtctgac accaggggct cctcaaaatt actccttctt tcacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc cactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccctaa tgnccaaca ccagggggaat gggattaang ccaggggggtt 360  
acccatttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 88  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
 ttaaattgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
 tgatcatctg ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca 120  
 gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180  
 tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
 tgatcgagaa atgtttttaga taaggcacia aaagatacca agaattgtta cactaggctg 300  
 tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt 360  
 agcaciaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 89  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
 ttttcagtca cagaatgttt ttttttaaac ttactgtaaa actttcaaact acaacacatg 60  
 tggcaaagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
 ctattatgtg atatttttaca atttctttca atttcttaca ttcatgggtat tcttaaaggc 180  
 agcaatgtca atttttctgc tttgaaaata gttcagttta tgttctgaaa ttgcttaaca 240  
 tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 90  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 90  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatatata aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactggt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 91  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
 ttttttttgc tgccagctgc atttatttga gcatgtacaa accactcaca gccagcgctt 60  
 gtcagggggc caggacactg gccagcgggg ccaaggagcc acattgctgg gcacatgccc 120  
 catacctgg ccaccggca gcagtgccca gcatccctca atgacagagc agccaggacc 180  
 ccagcgggtga ctgtcccaga ggacctacag gggcatgggg ccaaagctgg gtctctgcacc 240  
 ttgtttggcc tgcagatttg atttctgaat taatttctgc caacaactta aaaaatcagg 300  
 acatctcaca taaaaatctg ttttctggc ttctccagat ttctgtcatt aggcctgcat 360  
 tcccacacca gagcaattag ctacacctga atatggcagc g 401

<210> 92  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataattgttg tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtggg 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240

cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 93  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
 gatctgacgt tttctacgta gcttttgtat ttttttttta aatttgaaga aacactgatg 60  
 aagccctgcc ataccctcc cgagtctaataaaaacgtata atcacaaa 108

<210> 94  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 94  
 tagagacggg gtgtcaccat gttggccagg ctggntctaa actcctgacc tcaggtgatc 60  
 cgcattgctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120  
 taagtattta ttaagggtgag tttttacaaa caagcatcta tcccagtggtg cgggggtgagg 180  
 atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
 ccagggttca nccattgtg gatttcatag tccccagag acacatgggc cttaaaaatt 300  
 gtgtaccact tcttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360  
 gcttcttaag ggtccccgat gggmatcanc cctgttggca tttaacg 407

<210> 95  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 95  
 gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60  
 cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaaactgg 120  
 agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180  
 gcttgtactc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
 ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
 gtgacccttt agctgctaaa gctaaaggga ggaaagtggg aaaaggaaat taactaatat 360  
 tttgtaacca tttttaatat ttcttatttt ccaaacactg cttttataac agaagtgttt 420  
 tacacttggc acaatattaa ttacttg 447

<210> 96  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
 ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60  
 tgcatatggg ctgcttgcag catcgggtctt cagattttca atttgttcga ttacttcaaa 120  
 accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180  
 ggtactatgt aataaacatc aacacaaaga 210

<210> 97  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 97

```

ttttttttgt tttctacagc accaaagaaa ttcaaatagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
tgtatatgca gcgttgtttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

```

```

<210> 98
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 98
tttttaaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcaaac ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgcaac gcggccgggc      120
agaggcgctc ctacttgcc agacgggggtg gcggccaggc agagggtgctc ctactttcc      180
acacgggtgtg ggggccgggc agagggtgctt ctacgttccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttggggtt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctccttttg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacett cttccagcca ctttgggcct cccggctctc tcagaagccc tgtaggtag      480
gtgacaac                                     488

```

```

<210> 99
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 99
tttttttttt ttttttaaat gcaacataca aactttattg aacaaaagta aactgtttca      60
gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaacatc      120
ttacagtaac ctacttgcat ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct      180
catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt      240
atatacacat atacattaaa tttgaaaaag atttgacgat ccccagataa acttcatttt      300
tgttgatctt ttggaagagg tegtctaaag agaagaatat gtggttcttg ctcatgaatc      360
atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga      420
catcagatga gtttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt      480
acta                                     484

```

```

<210> 100
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 100
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg      60
gaggggtctc caatgaagag gacctagcac tgggaaggta tagccccaga agagaagagg      120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaatgg      180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc      240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg      300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc      360
atccaattag accgaggtgc aaaagccaat gcgtcaacat c                                     401

```

```

<210> 101
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 101
tttttttttt tttttttttt ttttttgagg tttaaaaatc ctttattaaa aaaccccaaa      60

```



cggaatgtt	ccaaaaaaaa	taaacacgtt	tctattaaca	tatcccatta	atcctattag	120
ttggaataag	atttaaagcc	caatttggaa	aagcttgcag	aatttcttcg	gaaattccta	180
aaaattacgg	taggcaaaaa	cttacaaaaa	catatgctat	cccagggcgg	ggaaaggaaa	240
aaagggaag	gggctacaaa	ggccccgggg	gcatcacctg	cccacctggg	accaggggt	300
ccgggaaact	gtcccgtaac	gggaaaccta	ccgggatgta	aagggtccata	agttacaagg	360
cttttttgg	ttaaaaaaaa	aaaaaggtct	gtactttcca	ggccaaaggt	gaaatggccc	420
aaacacccct	taacgctttc	aggtccccc	ggccctccat	tgggggtggg	ccccctagga	480
acaatttcgg	ggtacaaact	ttcccggaat	ttaggcggaa	actgtccggg	aaa	533

<210> 102  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 102						
cctttctttc	ctttagaaga	agtagatgaa	cgagacgatg	cagcagactg	ggctcctgat	60
gaatgctggg	aggtaacatc	cacagaggaa	ggatcatagg	cagactttct	gttagaatgg	120
tcctcctgag	ggcttaaagt	gctatgaggt	tcaagagttg	attttttttc	tgtcgaagtc	180
ccagtccctg	gagaggagac	aaaatcatct	tcatatgaaa	caccacttag	aggagttgcg	240
gtggcattca	aaggccgtga	tgttgatgtt	cctctgtcca	acttgtcttc	aaaccctttt	300
ccatataact	gataggattt	tgtaaaaata	ttaatgacg			339

<210> 103  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 103						
ttgttttttt	tttgtctttt	ttttttcttt	tccatttcgt	tgaaatattt	acagcaatgg	60
ggaaggagga	ggagagagga	aggagtaaga	gggcccccta	gggaaagatc	caagcccagg	120
accactccc	caggagatc	cagacccaaa	atctgtctcc	cagatagccg	agcccacagg	180
actgggaact	gcccaaatat	ggccaccct	gtgggctggg	ggccctgagg	ggaagtgtgt	240
cttcacagg	agtcgcccc	agggaggggg	tcattgggtg	cactgggagg	cagagggggc	300
aggtttgctt	gcggggcagg	gaccaagagc	aaggggaaag	gagctt		346

<210> 104  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 104						
ccgtgtcact	tctcacttct	aaatagctct	agacttggtc	ccattgcact	aacttaattc	60
actctccatc	atctttggct	tggagtacaa	ctccgtcctt	ccatctaata	tgctgtctc	120
caatcgttct	cccctttgat	gtgcagggca	gccactgac	tctctaaca	ttacagaaga	180
atgcaccact	tgggttggtt	aaaacccttc	aatggcttcc	cattgcccc	agttcaaact	240
ctgcaatgtg	gcctacacat	ctctctagct	tcacctctg	ctcaatatcc	tacagcacag	300
tgaagttctt	ggtggtcctc	aaaaggggcc	tcaaacttca	aacattccct	tcaacctaaa	360
atcctcaatg	gacattactg	agtc				384

<210> 105  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 105						
ttattttttt	tttttttttt	tttttcagga	tttggtatgt	tttattagag	caaattttta	60
acaaaagggtg	gctttcattt	acagaattta	atgtgtgtgg	ggactgtcca	acccatgtgg	120
actcaagtaa	ggataaccat	taagcttgct	aatgtatttt	cttattttca	gtttacatac	180
aaattttttt	tgtttgcttc	acattcataa	aaaccccaat	actgtaaatg	acaaataacc	240
cctcccatcc	cttaattaaa	tatacaaa	gcctgaaaac	atacaattta	aattggttta	300
atcttgaagt	gtaatccaat	aagactgaaa	actaaacatt	tcaagtcttg	taccaaatag	360

taaaataactc	gaaggccttc	aggatccttt	gacggattta	catcaataag	agaacctatt	420
tttgatgtgg	taaaagatat	gtggctctct	ccaattacat	tttcaagctc	ctgtcggcca	480
acccttttag	gggg					494

<210> 106  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 106						
ccagttttgt	ccaaaataat	ttatttacca	gccttacaaa	aaacatgtcg	gcaagagaag	60
aatcagtc	gtaggagcag	gcaaacctct	ccttccttcc	ggtggctccc	ctaggacctg	120
cggagagt	gagagtccg	tgggggggtc	ccaagcccag	ggtggacgag	gaaaagggtca	180
ggaaatagag	gattgtcctg	agccctcctg	gccatggggg	ccgacccagt	gggcactgag	240
g						241

<210> 107  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 107						
tttttttggc	tgtaaaccg	ttcaccccca	caaaagggga	gtggacagat	ttattgaaat	60
caaactggga	aaggagcagc	tggacggctg	gactctgggc	ccagcccagg	ccccgtctgc	120
ccaggatggg	cccttgacga	gagggaggag	aggcatgggg	cctgcagctg	cccacaagga	180
agcgcccttg	gttacttcca	cggtgggggg	cctcttgga	acctccaatc	tggaaagaaa	240
accaagggcc	aaagtcacat	ggacagggcc	agagaaaggg	actggggagg	tggaaagcag	300
gcagaagcag	gctcaggagc	ccgcagttag	ttaaactgtg	cttctcaagg	cggcctgggg	360
ggtgtgggtg	ggggctgcc	gccttgacag	gggcctaggg	tgg		403

<210> 108  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 108						
taactcccag	tcaccctgtt	ttatttcaac	catggagaaa	agtacagagg	aaaggctgca	60
tatggagaga	ctgtcgggct	gacggtgtca	cagcagatcc	gagtcacagt	gtggaaacag	120
cagccgcccc	gccctgggtg	tttctctcag	gaaaggcctg	gtcagtgaat	gcctgcaggc	180
agcaggggtg	caggaatcac	ctgcccgatg	ccagcgctgc	tcttgtctgg	agggccagac	240
tgtcatgaag	tca					253

<210> 109  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 109						
tttttttttt	tttttttggc	acacacagca	ctgggtggac	ttttatttta	aagtcaaagg	60
cacagcctgg	ctgggctgag	gcagtgacca	tggatgccca	gccagaccc	ccaaggcc	118

<210> 110  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 110						
aattcttttt	tagctcattg	gctatcctta	gcgtacatta	tgtatggccc	aacacaattc	60
ttcttccact	gtagcccagg	gaagccaaaa	gattggacac	tcttgtttta	aatagactat	120
ctttttaccc	ttttatttgg	tccaactcag	gataaatatc	caagtatcta	gaggggtctat	180
gtgtgctatc	tatacaataa	aagatagtta	tataaaaatg	aagagttctc	cataaccatta	240
tataaacagg	aggtttttaca	ggcattagt	atactctgtt	ggactcaatg	ggtttttttc	300
tctcttatag	ctatgaaaga	ctttatgcc	gtccaaaata	tacaatgttg	aaagacaggt	360
tttgaaataa	atattctccc	ca				382

<210> 111

<211> 519  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 111  
 ttttttttta atggttttga ctgcaaacta gtacttaggc tttcagcaac ttggcagtgt 60  
 ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg 120  
 aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggcttt 180  
 tttccaaggg aagagcttat tcttgggaata tctatatggg tagtttttga atcatttacc 240  
 tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg 300  
 ttcaagtggg tactttcaga agtaaaactgg ttctttccaa cagattcaga aatttcttcg 360  
 attagtcttg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca 420  
 gggggacttc tgggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt 480  
 tccccaagtg cccgaagggg attaggggta aatacccca 519

<210> 112  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 112  
 gacacgkgca cntcttttatt ggaaaagaat aaagcagtca cngatgtggc aggggcagga 60  
 cacgagcagc tgccgtccyc cycccagsgt gcctggcatg gtcgcagggg agcgggtbcc 120  
 tggagtcccg gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc 180  
 tcctggdtgc tcagcggatc gtgtacttkt cccacttctt ttcagggtcg tagggttccc 240  
 agcggctggc gggaaagatg tgcttktttct tctcgtacca gctcctcagc accaccttgc 300  
 ctgcatgggr ctcatccttc tccacagtgg gsgtcactga gcaaccg 347

<210> 113  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 113  
 atctttctct ttattctgac aacattatga cattaaataa aanccaagng gtattggatt 60  
 agnccttggt tggncctctgg ngatttagat aaggcagaac tgagccctc ggaatgtatt 120  
 atctcaaagn gctagtagca gctgctatgc aaagttctaa ggcccagagtc aaatcctggg 180  
 catctccaca gatgtgtggt agggcacagg ctccagctct tgtgtaagaa agancaggan 240  
 tgagancagc tttattttgt aggcgccaag gtctcactat gctcacacct gtaatccag 300  
 ctttgagaag aggatctggg caccagaagg gtctgggtag gaaggaaagt ggggaaaggg 360  
 tgaaggncag ggaatctttt cccttct 387

<210> 114  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 114  
 aaacatgttt attagaaaag taaaaaatat tgcataggnc ttaatacttg aacatcaagt 60  
 gtattcatga acagttagta tcttancttc atgtaaacag tncatagatg aagaccaga 120  
 tggcactcct cccggggngg gntnccagcc cccaccctct cagccctcc cctgccagct 180  
 caactctgca gtacacgatg ggggaaggct taaacgcagc tgccaggggg taatttttca 240  
 agtgtcaaag ancccaagtg atccctgnac acccaccct tcctactctt acattcatgc 300

gggtctgtaag ataggctgcc tacaacaggg tcagtaggng atggctccga tcc 353

<210> 115  
<211> 195  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 115  
cataatacat atattttattg ccatcagagt tctgcaattc tcataaaaatt agagtcagat 60  
ggaattcagg gacacgtgca agttttggaa atggacacag ataacagtat agaactgtac 120  
acaaaataat taccatttat taaacacact ggtttagnac accctggatg gatgagaatg 180  
ngcnccataa ttttt 195

<210> 116  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 116  
cataatgcta atgcaagagg gcttgaagta tcaaagagtc cacaggaaat ggatgcccc 60  
agtaatatct tttttttaaa aaaaatatac attatataat atatattata tatataanan 120  
gctagtgtaa atgcttccat ggtgtggtca caaatttgaa agatgaacct cctttcagct 180  
gttaaccatc ttcccatttg caacagggtt taaaaagtcg tttttatctt ccnacataac 240  
atgnmtttnc ntaatgaggt tgccagcact gacagatgtg gtgatgggga ggcaacttgc 300  
attgctaata gacactggga gtggctggct aaagcaagaa gttaccggca gaattgtttt 360  
ttgctcctcc agaatcacat ggtcttcacc taaactctgt ttcttctgct ttgggtggctc 420  
cntttggtgc ngctgga 437

<210> 117  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 117  
ttttgagagc tgatgacaga caacagcaag ctactttaca gaatctacca actgggtagg 60  
aaagtcttct gagtttcttt gcagacaaga aaagttacct gttgattgtt ggccaatcaa 120  
taagggactt tcctctctgc cattaagagc aacgatgctg accacatact ctgtgcctgg 180  
agtgaaggtg gtgaggggtga tgggaattccg agagtggggc acccgatctt ctcgaggtct 240  
cccactgaag tgctcgggat gatggcggat cctgtagcca gtgatgggtg ctcgaggagc 300  
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg 360  
gantca 366

<210> 118  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 118  
tttttttttt tttttttttt ttttctgaga tggttctcgc tacgttgccct aggctgtagc 60  
gcagaagcta tacacaggca tganggcagc aactacagct ctccaattcc tgggctcaag 120  
tggtccttct gcttcacctc ctgagtagct gggactacag ggacgtgcca cccacctgg 180  
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctacttttt 240

tcttgtaaaa ttgtataaca ttattaggca aaactgggag antacaantt ttaaa 295

<210> 119  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 119  
ttggataccc aagaattaat tttagaattt aaatttggct ttagtatcag taagtacgga 60  
tatcacatcc tcagaaccaa aaacgaacaa ctcatcttct tctttcagga aattaaaagc 120  
taciaaggca aaaagagggt tgaggatata tgaatataac aacttttaac tagctgacta 180  
attaaagaga ggattagcaa agataattga agtctactta taatttcaaa tttccatttt 240  
gaaaaagttt tattttttaat tcaaagagga ttaaaataag ggngccaaaa ctgatatgga 300  
atttcaaata ctctttctct gcccaatgga tccanaacca atta 344

<210> 120  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 120  
tttttntang aaatgacaag taccgtttat tgtcgttaca caaatgaacc cagcctctgg 60  
cttgggcacc gtcccacgga ccagcagatg agcatggtca gccgaccctt tccccaccc 120  
ccgagtcattg tgacgtcata cantccaggg agaaagtcgc agtntcgant accggacaca 180  
ggttcccttg gnttggtggn gcatctntga tccacagant ggcccacctn tcggagtggc 240  
caacggagtc gntgaaacgt tgtcaaataa gncaagtaag tgcaggagcc ctggggntgg 300  
ggggcctntg gcttntgnca gccgggtggg gaggagggat ntccaaggtt tctgccccgt 360  
agggcctcgg cttccanacc tc 382

<210> 121  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 121  
tttctaattg agcaacttta ttcacataat ttctacacca agaactcgag gttatctctg 60  
atggaaccaa tttcactaat atttacttta agggcagaga agtcaaccaa gtctctcag 120  
tctcaagaat caaaaacaaa acaaaaatac aaacagagag caagtgggaa gataaataac 180  
actccgaaat aacctagcta cacactttta gtttccaatt tttctagcat gaaatcactt 240  
ttctcttcca tctgtgaaga cgtgttctct cctctctctt ctgagttggg ctgtgaagag 300  
ctgccttggg tctcccgggt ctgacgggtg ttgtccacc catctgagg caccagggg 360  
aattgccttg ggggtccgga gccctggggg tttctggata gcct 404

<210> 122  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 122  
aaccggatgt ctgagactgt aagcgaagga caaatttgtg agatttgggg tctatgaact 60  
cttcagagag tatgatgaat ggaattttct tcacattgac tacgaggctg aagtccaagc 120  
acttaaggac gaacacaatt ccatcccgta atccattagt cacagcctca tcaactgacaa 180  
gcctccactg tgtagagagc cagcggncct tgtcatattg cagggtgggg cccgcactga 240  
ggtaccgttc taggnaggcc ttgggggtca tgccngttgg tgatgcagaa ggccagggtg 300

ctgcaggatg	ctctcccatg	ctgtgggtag	ttctgctgcc	ggggtnatgc	gcaggactt	360
ctnggagagc	cctgggccat	nggaggggaa	aattgcctng	ggcngcctcc	ctaggggtccn	420
tcactnccct	a					431

<210> 123  
 <211> 3323  
 <212> DNA  
 <213> Homo sapiens

<400> 123	tagtgggtggg	taagaaaatt	ggaagtattc	cctcctcatt	tgggtgggttg	gtggctggga	60
	atatctgttc	ccttggaat	gtttgatgct	actctgaaag	atcgagaact	gagctttcag	120
	tgggtccaa	ggtactacca	tgtttctgca	ttggctagt	ggaatggat	atgtcttcta	180
	ctttgcctcc	ttcattctac	tactgagaga	ggtagcttca	cctgggtgtcc	tgtggtttct	240
	aaggaatttg	aatgatccag	atttcaatcc	agtagaggaa	atgatccatt	tgccaatata	300
	taggcatctc	cgaagattta	ttttgtcagt	gattgtcttt	ggctccattg	tcctcctgat	360
	gctttggctt	cctatacgta	taattaagag	tgtgctgcct	aattttcttc	catacaatgt	420
	catgctctac	agtgatgctc	cagtgagtga	actgtccctc	gagctgcttc	tgcttcaggt	480
	tgtcttgcca	gcattactcg	aacagggaca	cacgaagcag	tggctgaagg	ggctgggtgcg	540
	agcgtggact	gtgaccgccg	gatacttgct	ggatcttcat	tcttatttat	tgggagacca	600
	ggaagaaaat	gaaaacagt	caaataca	agttaacaat	aatcagcatg	ctcgaaataa	660
	caacgctatt	cctgtgggtg	gagaaggcct	tcatgcagcc	caccaagcca	tactccagca	720
	gggagggcct	gttgggtttc	agctttaccg	ccgaccttta	aattttccac	tcaggatatt	780
	tctgttgatt	gtcttcatgt	gtataacatt	actgattgcc	agcctcatct	gccttacttt	840
	accagtattt	gctggccggt	ggtaaatgtc	gttttggacg	gggactgcca	aaatccatga	900
	gctctacaca	gctgcttggt	gtctctatgt	ttgctggcta	accataaggg	ctgtgacggt	960
	gatgggtggca	tggatgcctc	agggacgcag	agtgatcttc	cagaagggtta	aagagtgggtc	1020
	tctcatgatc	atgaagactt	tgatagttgc	gggtgctgtg	gctggagttg	tcctctcct	1080
	tctggggctc	ctgtttgagc	tggctcattgt	ggctcccctg	agggttccct	tggatcagac	1140
	tcctcttttt	tatccatggc	aggactgggc	acttggagtc	ctgcatgcca	aaatcattgc	1200
	agctataaca	ttgatgggtc	ctcagtgggtg	gttgaaaact	gtaattgaac	aggtttacgc	1260
	aatggcatc	cgaacattg	accttacta	tattgttcgt	aaactggcag	ctcccgtgat	1320
	ctctgtgctg	ttgctttccc	tgtgtgtacc	ttatgtcata	gcttctgggtg	ttgttccttt	1380
	actaggtgtt	actgcggaaa	tgcaaaactt	agtcctatcg	cggatttatc	catttttact	1440
	gatggctcgtg	gtattgatgg	caattttgtc	cttccaagtc	cgccagttta	agcgccttta	1500
	tgaacatatt	aaaaatgaca	agtaccttgt	gggtcaacga	ctcgtgaact	acgaacggaa	1560
	atctggcaaa	caaggctcat	ctccaccacc	tccacagtca	tccaagaat	aaagtagttg	1620
	tctcaacaac	ttgaccttcc	cctttacatg	tccttttttg	tggacttctc	tctttggaga	1680
	tttttcccag	tgatctctca	gcgttggttt	taagttaa	gtatttgact	tgtgttctca	1740
	gcattcagag	agcagcgggtg	taagattctg	ctgttctccc	tggatcttct	gacattactg	1800
	ctgtctgaga	tttgtatatg	tgtaaataca	agttccttga	taccctaaaa	ccttggatta	1860
	aacagaatgt	gcattgtaca	tctttaaaca	aaatgtatat	taatttatta	aatctagttg	1920
	tcactttatt	ttggacctgc	tgtgatctcg	acaggaaacg	tgccacagag	cagttagtgcg	1980
	caggcaagac	ttttcagtga	cgccttggtg	aacgcagttc	atgatgtcct	agcagctctc	2040
	actaaggga	ctgtacattc	tttctttctt	ggctattcag	accttaccaa	gaacgttaaa	2100
	ggaaacaagt	agaaatcagc	agtggagtgt	ctgtggtaag	aaaacatgaa	ctttatgctt	2160
	cactgttagt	tgtttgtgga	agttattttg	tataacacca	aagctgttgt	acatttccta	2220
	ctgcctgatt	tttttcatgt	gtctgtgttt	gtaatatgt	atagtatctt	gtgctaggtg	2280
	aggaaattat	tttttaattt	tgataattta	atattcctag	tgtgatcagc	attgggagtt	2340
	gggtttcagt	ggggcatgtc	tatacttaga	gaaaaaaagt	cccaatgaag	attttcatga	2400
	gtcagccccc	ccgcccgc	ccacccaca	cccacatcct	ctcttttcca	cacacaacta	2460

tctgtttatt	ttttgtagca	gtggccgaaa	gtcctgcaag	gtcataaatc	tttcagagt	2520
acatcaccaa	ctgtactgca	tcttactgga	tttaggactt	ctgagatgct	tgtgaagtat	2580
agatgtgggt	gtggctcttag	attgacagca	ttagagaaga	ctgggttagaa	catctgggtct	2640
cgctgggttag	tgccctcggtg	gctgaggact	aggtgtgcat	ttctcctagc	ttttcatcag	2700
gaaatcccaa	agtttccaaa	gctttttgtt	tacagaataa	aacttcaa	aaaaccaatt	2760
cattatttgt	ccagaaggaa	gcttggctga	gctggccttt	taacatagga	atgtatttctg	2820
ttggaaacat	tctgaaaaat	ctcagagaa	tgaaccctta	caaactttgt	tttccctcat	2880
aaccaaagct	tcagggttaga	agtttagaaa	aatagaatgg	ttgggtacat	gatctaaatg	2940
tttaatgcta	aagggtatct	gtaagggttag	tgtttgtttt	tgaacgataa	tttagaagtt	3000
ctcatagaaa	gcgtataaca	taggtcttca	gaaactataa	aagaattttc	atatagtatt	3060
aaaatccata	gactaaaatc	tgagaatttt	ttaacatatg	caagtcagcc	aaacataagc	3120
taccaaata	aagagcaatg	tgttctggct	gttttatact	tcaacaattt	tttccctaag	3180
tggttaagcaa	ttacttttaa	acatattttt	aaaaacatcg	gtatcgggag	ctgcgggtggc	3240
tccggccggt	tgctcctggca	cacaaggagg	cgaggctatg	cgttcgaggc	caacctaggc	3300
aaaattggaa	aaaaaaaaaa	aaa				3323

<210> 124  
 <211> 18596  
 <212> DNA  
 <213> Homo sapiens

<400> 124	cctgtagtcc	cagctacg	agaggctgag	gcagcagaat	tacttgaacc	caggaggcgg	60
	agggttcagt	gagccgagat	cgccgactg	cactccagcc	tgggtgagag	agcgagactc	120
	tgtctcaaaa	aaaaaaaaaa	aagaccgcca	gggtctaaac	aaaaaacctc	ggaaaagccc	180
	tggcgggtctt	tttttttttt	tttttttttt	ttttttggga	cagtcttgct	ctgtcgccca	240
	ggctggagta	caatggctcg	atcttggtc	actgcaacct	ctgcctccca	ggttcaagca	300
	attcttctgc	ctcagcctcc	caagtagcca	ccacgcccag	ctaatttttg	tacttttagt	360
	agagacgggg	gtttcaccat	gttgtccagg	ctggctctga	actcctgacc	tcagggtgatc	420
	caccgcctc	ggccccccaa	agtactagga	ttacaggcgt	gagccaccgc	gtccagcgcc	480
	ctggcgggtt	ttaatcaagt	agaaaagctg	cattatacca	cttgcttcgg	ttgcttcagt	540
	gagaacgaag	aaatggaaat	gcaaaccct	tattagttgt	aggaaacaga	tctcaaacag	600
	cagttttgtt	gacaagaccg	caggaaaacg	tgggaactgt	gctgctggct	tagagaaggc	660
	gcggtcgacc	agacggttcc	caaaggcgcc	agtccttccc	agccaccgca	cctgcatcca	720
	ggttcccggg	tttccctaaga	ctctcagctg	tggccctggg	ctccgttctg	tgccacaccc	780
	gtggctcctg	cgtttcccc	tggcgacgc	tctctagagc	gggggcccgc	gcgaccccgc	840
	cgagcaggaa	gaggcgagc	gcgggacggc	cgcgggaaaa	ggcgcgcgga	aggggtcctg	900
	ccaccgcgcc	acttggcctg	cctccgtccc	gccgcgccac	ttggcctgcc	tccgtcccgc	960
	cgcgccactt	cgctgcttc	cgtccccgc	ccgcgcgcc	atgcctgtgg	ccggctcgga	1020
	gctgccgcgc	cgcccttgc	ccccgcgcgc	acaggagcgg	gacgccgagc	cgctccgcgc	1080
	gcacggggag	ctgcagtacc	tggggcagat	ccaacacatc	ctccgctgcg	gcgtcaggaa	1140
	ggacgaccgc	acgggcaccg	gcaccctgtc	ggtattcggc	atgcaggcgc	gctacagcct	1200
	gagaggtgac	gccgcgggccc	cctgcgggac	gggtggcggg	aaggaggagg	gcgcggctgg	1260
	ggagagcgct	cgggagctgc	cgggcgctgc	ggaccccggt	tagtcctaac	ctcaatcctg	1320
	ccaggaggagg	gacgcacgt	cctcctcgcc	ttacagacgc	cgaaacggag	ggtccatta	1380
	gggacgtgac	tggcgcgggc	aacacacaca	gcagcgacag	ccgggaggta	agccgcgtcc	1440
	cagcggctcc	gcggccgggc	tgcagtcgc	ccagtgatg	ccgtggcccc	cgaggcgggc	1500
	gtcatcgggc	agcgtttgccc	cagtgctgga	gggttaggga	gagctgcctg	ggcttgaccg	1560
	cgcgcgggtc	tcaaagtcct	ggctttggcc	cctcctccgt	tttcccctgt	ggaccattcc	1620
	gcttcgcagc	gttttcaaaa	actggagcga	aagtgatgtg	ggcggggcaa	aggcggcggg	1680
	aagaggacag	cactgaagct	ggcgcgggaa	cttgggttcc	tggtggcctc	ccatccaatc	1740

cccacgaacc	agcttttctc	ttaaacccttg	aaaagagaaa	ttcgggagtt	cgagttctta	1800
gtcgtccttt	cctcttttct	ttccgacagg	agcaccaccg	gcaaaaaatg	tctcgcgggt	1860
cattggcgcc	aggctttcag	gggacagtgg	ggcggggcgg	ggtgggcaca	ggacgttagg	1920
cagccgttgg	ccctccctaa	ggccacaccg	tcctgccgtc	ctggatcctg	cgccagctgc	1980
gcggggggagg	ggactcgaag	gtgtgtgagc	caggggctga	ccttgaccgc	tcagataaat	2040
ggagcgcagc	cttgacacag	gggtggaggt	ggttttgaat	ggggaaaccc	attcgtggtg	2100
aagcagattc	actgtagcta	gcggaaaagc	cctccggccc	acggacccat	ctagagacga	2160
atacatagca	gctgctgtgg	ctgattggcg	tgggacagcg	tggggagttt	tgtctgagga	2220
gagggatcca	cttttctgca	gctccaagcc	caggggcctt	tgatgagcca	tagacctcat	2280
ttttaaccca	cctttctgct	tagacattga	gcaagttact	tctcatatag	cttccctata	2340
tgttaaaaat	ggagaaaata	atgcttagta	ggcaattctg	ataaaagcag	gtgcttgcaa	2400
aaatctctct	gttgtctgaa	tataaactgt	accacaagcg	agtgcggatg	aacgaggact	2460
gcatttaaag	ataagttttt	acactttcat	ttctctgtgg	ctcgacactt	ctgatgcctc	2520
cctttttgtt	cctgggacac	atgcttggtg	ttgtcttcac	acctttgtga	caggattagc	2580
actagtgggc	agtggatgat	agctcctcct	cccttttgcc	acatgttcat	ccctgccttc	2640
gccaccatct	cactgtgtgg	aattcctgtg	tccactggtc	accggggcac	agaagtgctg	2700
tctcagcctg	aatcggggcca	ctgatgggac	ttgcagcctg	ggagctccac	cgtgatctct	2760
ggcccacttt	gcgggagtct	aggctttctg	gatgctccag	gcctcacgtc	ccagggcagt	2820
tttcttcctt	gaagaaagt	ggatggcatg	atctgtcttc	ccatcttgaa	accgtatggc	2880
aaattgtttt	tcagatgaat	tccctctgct	gacaaccaa	cgtgtgttct	ggaaggggtg	2940
tttgaggagg	ttgctgtggt	ttatcaaggt	aaagaagtgc	ctgctattag	aagtcagtag	3000
tctgttctca	acacagcagc	cagtgaagtc	ctttcaaaac	tcaaagcagc	caggtgtggt	3060
ggctcacgcc	tgtaatccca	ccgctttggg	aggctgagtc	agatcacctg	aggtaggaa	3120
tttgggacca	gcctggccaa	catggcgaca	ccccagtctc	tactaataac	acaaaaaatt	3180
agccagggtg	gctggtgcat	gtctgtaatc	ccagctactc	aggaggctga	ggcatgagaa	3240
ttgctcacga	ggcggagggt	gtagtgaagc	gagatcgtgg	cactgtactc	cagcctggcg	3300
acagagggag	aacctatgtc	aaaaacaaaa	aaagacacca	ccaaaggtca	aagcatatca	3360
ttcctcaccc	tcaagccctt	agtggctcca	tttcaactcag	taagagccac	ggctccttatg	3420
gtgtccgttt	ttcagctctg	accttagctg	ctgctctctg	caccaccctg	ctgttcttgt	3480
gagtttttga	gcacaccggg	acatccccac	tccctggaac	cttcttcccc	cacacttggc	3540
ttcttccttt	gagtctctac	tccactcggg	caagccttcc	tagacctcct	gatttaaaac	3600
tgtgactctc	ccccaacctc	cttggtgttt	ctccgtagac	gaacatcacc	atctgatgta	3660
tgtcagcctt	tcccttcccc	tgtagaagg	gggacagcag	gtagtataag	tgaaatgtgc	3720
tgtaagcttt	atgagggcag	aggatttgtt	tctcgtgttc	actgttgtat	cgccagggcc	3780
tcaaacacag	cctgccacat	agtaggagtc	aacatatatt	gatcactaaa	tgtagatacc	3840
acctgtgttc	ccatgttcat	ataaattcta	gaagagtctc	ttcagtaaca	aggtgaaccc	3900
cttcagagg	gctgagtagg	tacctcaggc	cggggccaga	gtgctgtgaa	gacagcagca	3960
gccagacca	agcttctctg	tgttccgtgt	cctggtctag	aaccagcgat	gttctttctg	4020
accagtgttt	tttggaaagt	ggctgaggtc	tgggctcagg	tctgggccat	actagaagct	4080
gggatccctt	ctatagagca	cttggtatgg	cttgtatggt	cttggggcaa	gccagaccca	4140
agccctctta	tcccatttta	gaaagggctt	caatttggat	ccagccccag	gtctgcctta	4200
gctctgtatt	cttgggggtat	tttgttctgt	attggcctat	cttgactaac	aatgagcctt	4260
ggatttgaaa	catatcatca	gaaacctcag	aagacaacat	tcttaaactg	gctagagcct	4320
ggctctgaatg	gatgaaaagg	agagactttt	gaagcaatat	gtaaaagatt	gagaaatgat	4380
ttgttgaaaa	tttctcaatt	ggagaaaattt	ctttgatttg	ttggaaattt	ctttgattct	4440
ttctcaatca	aagaaaatcg	ggacaaaactc	aacaatagaa	agggaggaag	caagatactc	4500
agaaataaaa	tgcattcccc	tgtttcaact	taatgcttca	attcaggatt	ctaaggaatc	4560



cttgccagga	atgtcagact	caccttgata	gttgaggat	ctccattggt	gactcgatca	4620
aatacaggag	ttgaggcacc	tgcactgtaa	aatactgatt	agtctgatca	ttaggaatat	4680
cctgtatgcc	aggtagaaga	tacattgaac	agattgcatg	taggcattaa	attcattttg	4740
gggtattaca	tatagacaac	acatttcatt	aagaaacata	aaactgtcag	atcgggtggaa	4800
tacttaaaag	cacttgaggg	tgttttagcct	aaaaagctta	gttgagggga	atggaagaaa	4860
agatctggga	gggtggttcc	aaagaaggga	tcagactatc	ctaaagccct	caggaatctg	4920
ggctgggacc	acctacttaa	agataggatg	ggcagctggg	tgtggtggct	cacgcctgta	4980
atcccagcac	ttcgggaggc	cgaagcgggc	ggatcacctg	aggtcaggag	ttcgaggcca	5040
gcctgaccaa	catggagaaa	cgctgtctct	actaaaaata	caaaatttagc	tgggtgtagt	5100
ggcgcatgcc	tgtaatccca	gctactcggg	aggctgaggc	aggggaatcg	cttgaacctg	5160
ggaggtggag	ggtgccgtga	gccacgatcg	cgccattgca	ctccagcctg	ggcaacaaga	5220
gcgaaactct	caaaaaacaa	aaaaaaggat	gggttccata	tgggtggtgt	caagtgccca	5280
cctcctagca	agtcagcagg	ggccagaggc	ccttgtaagt	ggtgtctcgg	ggggatcaac	5340
tgagatggct	taagatttac	ctggatgcct	gctctgctct	ccccatctct	tccagggatc	5400
cacaaatgct	aaagagctgt	cttccaaggg	agtgaaaatc	tgggatgcca	atggatcccg	5460
agactttttg	gacagcctgg	gattctccac	cagagaagaa	ggggacttgg	gccagtttta	5520
tggcttccag	tggaggcatt	ttggggcaga	atacagagat	atggaatcag	gtgaggagat	5580
agaacaatgc	cttccatttc	cgggtgccct	tcttagcacg	tgtttgctcc	gttgttttag	5640
ataaggtctg	ggggatgagt	caatgtcaca	ggagctgatg	tatagctttg	accttgtgag	5700
gggtggtgcc	aggttgaagc	cacaattaac	gcctactgaa	ggcgttttca	catctttttt	5760
tttttttttt	ttttaattat	tatactttta	gttttagggg	acatgtgcac	aatgtgcagg	5820
ttagttacat	atgtatacat	gtgccatgct	ggtgcgctgc	accactaact	caccatctag	5880
catcaggtat	atctcccaat	gctatccctc	ccccctcctc	ccacccca	acatccccag	5940
agtgtgatgt	tcccttctct	gtgtccatat	gttctcgttg	ttcgattccc	actatgagtg	6000
agaatatgcg	gtgtttgggt	ttttgttctt	gcgatagttt	actgagaatg	atgatttcca	6060
tttcaccacg	tccctacaga	ggacatgaac	tcatcatttt	ttatggctgc	atagtattcc	6120
atggtgtata	tgtgccacat	tttcttaatc	cagtctatca	tgttggacat	ttgggttggg	6180
tccaagtctt	tgcctattgt	gaatagtgcc	acaataaaca	tacgtgtgca	tgtgtcttta	6240
tagcagcatg	atttaaatag	cctttgggta	tatacccagt	aatgggatgg	ctgggtcaaa	6300
tggtatttct	agttctagat	ccccgaggaa	tcgccacact	gacttccaca	atggttgaac	6360
tagtttacag	tcccaccaac	agtgtcaaag	tgtcctattt	ctccacatcc	tctccagcac	6420
ctgttgtttc	ctgacttttt	aatgattgcc	attctaactg	gtgtgagatg	gtatctcatt	6480
gtggttttga	tttgcgtttc	tctgatggcc	agtgatgggtg	agcatttttt	catgtgtttt	6540
ttggctgcat	aaatgtcttc	ttttgagaag	tgtctgttca	tgtccttcgc	ccactttttg	6600
atggggttgt	ttttttctta	taaatttggt	tgagttcatt	gtagattctg	gatattagcc	6660
ctttgtcaga	tgagttaggt	gcaaaaatgt	tctcccat	tgtgggttgc	ctgttcactc	6720
tgatggtagt	ttcttttgct	gtgcagaagc	tcttttagtt	aattagatcc	catttgtcaa	6780
ttttggcttt	tgttgccatt	gcttttggca	taggcataaa	gtccttgccc	atgcctatgt	6840
cctgaatggg	aatgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaactttta	6900
agtctttaat	ccatcttgaa	ttgatttttg	tataaggtgt	aaggaaggga	tccagtttca	6960
gctttttaca	tatggctagc	cagttttccc	agcaccattt	attacatagg	gaatcctttc	7020
cccattgctt	gtttttctca	ggtttgtcaa	agatcagata	gtttagata	tgcggcgtaa	7080
tttctgaggg	ctctgttctg	ttccattgat	ctatgtgtct	gttttggtag	cagtaccata	7140
ctgttttggg	tactgtagcc	ttgtagtata	gtttgaagtc	aggtagcgtg	atgcctccag	7200
ctttgttctt	ttggcttagg	attgacttgg	cgatgcgggc	tcttttttgg	ttccatatga	7260
acttttaaagt	agttttttcc	aattctgtga	agaaagtcac	tggtagcttg	atggggatgg	7320
cattgaatct	ataaattacc	ttgggcagta	tggccatttt	cacgatattg	attcttccta	7380
cccatgagca	tgggaatggc	ttccatttct	ttgtatcctc	ttttatttca	ttgagcagtg	7440

gtttgtagtt	ctccttgaag	aggtccttca	catccctttt	aaggtggatt	cctaggtatt	7500
ttattctctt	tgaagcaatt	gtgagtgga	gttcactcat	gatttggctc	tctgtttgtc	7560
tgttattggt	gtataagaat	gcttgtgatt	tttgcagatt	gattttatat	cctgagactt	7620
tgctgaagct	gcttatcagc	ttaaggagat	tttgggctga	gacaatgggg	ttttctagat	7680
atacaatcat	gtcgtctgca	aacagggaca	atttgacttc	ctcttttcct	aattgaatac	7740
cctttatttc	cttctcctgc	ctaattgccc	tggccagaac	ttccaacact	atgttgaata	7800
ggagtgggta	gagagggcat	ccctgtcctg	tgccagtttt	caaagggaa	gcttcagtt	7860
tttgccatt	cactatgata	ttggctgtgg	ctttgtcata	gatagctctt	attattttga	7920
aatatgttcc	atcaatacct	aattttattga	gagtttttag	catgatgtgt	tgttgaattt	7980
tgtcaaaggc	tttttctgca	tctattgaga	taatcatgtg	gtttttgtct	ttggatctgt	8040
ttatatgtctg	gattacattt	attgatttgc	gtatattgaa	ccagccttgc	atcctagggg	8100
tgaagcccac	atgatcatgg	tggataagct	ttttgatgtg	ctgctggatt	cggtttgcca	8160
gtattttatt	gaggattttt	gcatcaatgt	tcatcaagga	tattggtcta	aaattctctt	8220
ttttgggtgtg	tctctgcccc	gctttggtat	caggatgatg	ttggcttcat	aaaatgagtt	8280
aggaggagatt	ccctcttttt	ctattgattg	gaatagtttc	agaaggaatg	gtaccagttc	8340
ctctttgtac	ctctggagaa	ttcggtctgtg	aatccatctg	gtcctggact	ctctttgggt	8400
ggtaagctat	tgattattgc	cacaatttca	gtcctgttta	ttggtctatt	cagagattca	8460
acttcttcct	ggttttagtct	tgggagagtgt	tatgtgtcaa	ggaatttatc	catttcttct	8520
agattttcta	gtttatttgc	gtagaggtgt	ttgtagtaat	ctctgatggg	agtttgtatt	8580
tctgtgggat	cgggtggtgat	atccccctta	tcatTTTTTA	ttgctctat	ttgattcttc	8640
tctttttctt	tattagtctt	gctagcggtc	tataaatttt	gttgatcctt	tcaaaaaacc	8700
agctcctgga	ttcattaatt	ttttgaagg	ttttttgtgt	ctctatttcc	ttcagttctg	8760
ctctgatttt	agttatttct	tgccttctgc	tagcttttga	atatgtttgc	tcttgctttt	8820
ctagttcttt	taattgtgat	gttaggggtgt	caattttgga	tctttcctgc	tttctcttgt	8880
gggcatttag	tgctataaat	ttccctctac	acactgcttt	gaatgtgtcc	cagaggttct	8940
ggtatgttgt	gtctttgttc	ttgttggttt	caaagaacat	ctttatttct	gccttcattt	9000
cgttatgtac	ccagtagtca	ttcaggagca	ggttggttcag	tttccatgta	gttgagcagt	9060
tttgagttag	attcttaatc	ctgagttcta	gtttgattgc	actgtggtct	gagagatagt	9120
ttgttataat	ttctgttctt	ttacatttgc	tgaggagagc	tttacttcca	actatgtggt	9180
cggtttttga	ataggtgtgg	tgtggtgctg	aaaaaaatgt	atattctgtt	gatttgggat	9240
ggagtctgt	agatgtctat	taggtctgct	tgggtgcagag	ctgagttcaa	ttcctgggta	9300
tccttgttga	ctttctgtct	cgttgatctg	tgtactgttg	acagtgggtg	ttaaagtctc	9360
ccattattaa	tgtgtggagt	ctaagtctct	ttgtaggtca	ctcagatgat	tggcacttac	9420
tgggcgcttg	gcactttcca	tactgtgtca	tcggcagata	gctgcatggg	tgggtgtcgt	9480
gctggggaat	gggaagttca	tcggtgggac	aaggacaaaa	tgcctccatt	gctttgttgt	9540
ggctttaatc	tccctttcga	ggctgagcca	cagcgtgctg	taggtggcgc	tgctgtgaag	9600
cgcagtacca	gggtcacact	ccactcccag	ctctgcagag	gtggagaaa	aatgaaacat	9660
ctcactcctg	gacttccact	ttcctgtcac	tgttgggtgtc	acctcttact	ggatgtcaca	9720
gagcccagcc	cctcccacct	gtgcctagga	aaagcagatg	ccaccttga	atgtgggggt	9780
tgtgtgtgca	atttactagc	tgggcagaga	ccagcaacct	ggagagcagg	tgtctcgtct	9840
aaggggacag	tcacatttca	cctccagcca	cctggaggaa	tttgggcctg	gtgatgtcag	9900
aattcttcaa	taaaagccta	aaatctatat	tttatgtgctg	gtcatgagat	ctgttaaagt	9960
ttagcaactt	caggaagtgt	aaaaatgctg	tgtggacctta	gaataggcaa	gttcttaaag	10020
gcagaaagtg	gaatgctagt	ttccagggac	tggggaacag	ggaggaatgg	ggagttcatg	10080
tttaaatggc	acagaggttt	tgttagggat	gacgaaaaag	ttcgggagat	gggtgatggtg	10140
atggagatgg	tgatgggtgat	ggagatgggtg	atgggtgatgg	tgatgggtgat	gggtgatgggt	10200
gatgggtgatg	gtgatgggtga	tggagatgggt	gatgggtgatg	gtgatggaga	tgggtgatgggt	10260

gatggtgatg	gtgatggaga	tggatgatggt	gatggagatg	gtgatgggtga	tggatgatgga	10320
gatggtgatg	gtgatgggtga	tggatgatggt	gatggtgatg	gtgatggaga	tggagatggt	10380
gatggtgatg	gttgcctaac	atcaggaacg	tgcctaatgc	ttctgaattg	cacacaaaaa	10440
tggcaagttt	aatattatgt	gtactttatc	acaatgaaaa	aagctgctgc	gtgggccaag	10500
ttacttgctc	aggtaatgtt	ctgcagggtg	ttgcctgcac	ctcagttgta	gggtgtccgt	10560
aggatgtgag	gccagtcctc	gggcttaatg	atgctttaaa	tcctgcctag	tattcaatta	10620
tttcttgctc	cttaaaaggc	ctaataaaaat	tatggtctta	gtttacagtg	gtatgaatgc	10680
ttagctggtg	gatttttagta	ggaaagtctc	tccttttttg	tttttaattt	tgttttacag	10740
attcacagga	atTTTTTTTT	TTTTTTTTTT	TTTTTTTTTT	taatgcacag	aaagtttccc	10800
tggactctct	accagtttcc	cccagtgata	atatcttggg	taacatcctg	tatacattca	10860
cattggtgca	ttcctcagag	ttgtcagatt	ttgctagttt	tacgtgcact	tgtgtatgtg	10920
tgtatttgca	atTTTtagcac	gtgtagactc	ttgtaaccac	tacaatcaag	ttacagaact	10980
acactaccaa	ggttcacctt	tttaaaatct	ttgatgttac	cttttttgga	acagtgacca	11040
tgagaggact	ttcctcccaa	aattttgaaa	actactgaac	cagaatatag	tctgacacta	11100
ataggtagaa	atTTaaccaa	aggagattat	gaagctctgc	acttgagtta	acaaaatcac	11160
ttctcagctt	ccagttccat	ctcagaagga	aggaaaaggg	attaaaaatc	cagagaccag	11220
aaaatgggag	caaagtacaa	gggtggtgtaa	tcattacaga	ggtttctctga	tgtttccaag	11280
tcagtcgtgt	gttgagctgc	taaactctaa	agtaatttta	ggtggaatgt	tggaaacatg	11340
ctgctgaggt	gatagaaagg	aatccatggt	cctctgttag	ttggaaagta	tatggaatac	11400
tatattctac	ataagataca	atactctctg	tgagacaagg	ataaagtaga	ttttgtcagt	11460
gaaattgtga	caagaatcgc	tgatgggttt	agagcctaag	tttgcgagga	gcactggaag	11520
aaattaagat	tgttgagatt	ggaaagggtt	agctatgggg	gaacaggagg	aggtgactcc	11580
atgacagacc	aaatattcaa	aggactgtgt	agaagaggaa	aaagactttg	ttagggtctcc	11640
agaggacaga	gccaggagtc	agacaggggc	ttgaactcaa	cccaccgaga	tctgcaaact	11700
ttgcaggatg	caccagatgt	cttgtagcca	tgggtcaagg	ggggaccctg	ggtaagagac	11760
tgtaatagat	gacctctaag	gccatctcat	gacatgtgtg	attaatgtat	gtacctgtcc	11820
tctctttttg	acaattctac	agattattca	ggacaggggag	ttgaccaact	gcaaagagtg	11880
attgacacca	tcaaaaccaa	ccctgacgac	agaagaatca	tcatgtgctc	ttggaatcca	11940
agaggttgaa	agaacccctg	cgtcttcatt	tatactaacc	atactcttag	aggggaagcaa	12000
tctggttttg	tgacagaggca	ctgagggagg	caggaccctg	ggcaacttcc	cccagccaca	12060
tgggtgtgtg	acgttgggca	agtcacattt	tgctgcactt	tcaccttcag	atcatgaggt	12120
tgggcccaga	ggattttttt	TTTTTTTTTT	TTTTTTgaga	cagagttttg	ctctgttgcc	12180
caggctggaa	tgcaacggcg	tgatcttggt	tactgttaac	ctctgcctcc	tgggttcgag	12240
tgattctcct	gcctcagcct	ccaagtagct	gggattacag	catgtgccac	catgcctggc	12300
taattttgta	tttttagtag	agacgggttc	acatgttggt	caggctgggtc	ttgactcctg	12360
accctcagat	gatctgcctt	gcctcagcct	cccaaccgag	tgatcttaag	ttgtgtatta	12420
tactcattct	tacacaaaaa	gggcttttaa	tgcctagaaa	ctacatgaag	atgttaacat	12480
tttaaatgga	agcagatgaa	gttcacagctc	gctgccacct	cactaacatt	tttaacaatt	12540
atattgtaaa	attcaactct	accagggtgt	agagccaggt	gtggtggctc	acacctgtaa	12600
ttccaacaac	tccagaggcc	aaggcgagag	gatcatttga	accacaggaa	tttgaggctg	12660
tagtgagtca	tgatcacgcc	attgcactcc	atcctgggca	acagagttag	accctgaata	12720
tttaaaaaca	acaacaacaa	caaaactcta	tcaggatatc	ataagtactt	agagtgaat	12780
acttgcatct	gtaatagaga	cttatttttt	TTTTTTTTgga	gacacagtct	cacctgtttg	12840
cccaggctgg	agtgcagtgg	tttgatctcc	gtcacgggca	acctccatct	cccaggttca	12900
agtgagttcc	cattcctcag	ccccagagct	gggaccacag	gcgcgcgaat	ttttgtattt	12960
ttagcagaga	cgggggtttca	ctatgttggtc	caggctagtc	tcaaactcaa	gttggcctca	13020
agtgatctgc	ccaccctggc	gtcccagtggt	tgggatttca	ggcatgagcc	actgtgcctg	13080
gccatgtaat	agagactttt	aatataggag	ggtgtaccag	aagcaccagt	ttcctgtggc	13140

aaacagaatt	attcctgctg	tattttgtaat	tgggtgccac	gaggtagccc	agatcccttc	13200
agctctgatg	gaagagcatt	gcttcagccg	taaatggaca	cctgcagaaa	ccttgccaccg	13260
atggatagtc	tccctcagct	ccgtgccatc	gctgcagggg	ctgttatgga	catcactgca	13320
gcccagtggc	tctctctcct	ggtctccacc	atatgagttg	gcttctgttt	ctctcctggt	13380
ttactttgcc	tttagctgtg	gtctttcaaa	ccaccatccc	tccttatctt	cctctgctgg	13440
ttcctcagat	cttcctctga	tggcgctgcc	tccatgccat	gccctctgcc	agttctatgt	13500
ggtgaacagt	gagctgtcct	gccagctgta	ccagagatcg	ggagacatgg	gcctcggtgt	13560
gcctttcaac	atcgccagct	acgcctgtct	cacgtacatg	attgcgcaca	tcacgggcct	13620
gaaggtgggc	tgtctcgggg	agggtgactt	gccagcctac	cacatgagct	cttcagttct	13680
ttaatatggg	aaaacaaatt	gcagagttta	gtctctgatt	agctttttaa	tttgatatgt	13740
gtaagtaaga	catgaaccag	cttttacttt	gaaaccttcc	ttttctggaa	ggttttctgg	13800
ccctgtggta	tatgactaa	cagatctata	caggttgttt	gtgatacagc	ttctatggat	13860
cttctcaaaa	gctatgctga	ggttggttat	ggtggctcat	gcctgtaatc	ccagcacttt	13920
ggaagactga	gacaggagca	attgcttgag	gtctggagtt	caataccagc	ctgggcaaca	13980
taacaagatg	ctggtgctac	aaaaaatgg	aaaagctaca	ctaaattatt	tttttaaaaa	14040
aagccttgcg	gtgtctgcat	attctaattgt	ttttaaatga	tgtttttaaag	aattgaaact	14100
aacatactgt	tctgctttct	ccgggtttat	agccaggtga	ctttatacac	actttgggag	14160
atgcacatat	ttacctgaat	cacatcgagc	cactgaaaat	tcaggtaaga	attagatggt	14220
atacttttgg	gtttggtacc	ttctcttgat	aaaaggttga	ctgtggaaca	ggtatctgct	14280
caatgctgtg	tccaagataa	agatgactgc	tccaaatgtg	gggcttcagt	ttagggagaa	14340
gtggtgggca	ggtgggcagg	acaaggcagg	catctgcctc	agcaaccatg	gcacttaact	14400
tgtcaggtgc	tgtgaggtag	taagcaccag	taccagagag	ggaagagcca	cattcaagcc	14460
aggggattgt	ccaaaaggag	gcattttaac	tcattttaac	ttgaaggaga	attgaagtgc	14520
aaatgttttt	ccttttcttt	ttttttgaga	tggagtcttt	ctctgtcggc	caggctggag	14580
tgtgccgtgg	tgcgatctca	gctcactgca	acctccacct	ccggggttca	agcaattctt	14640
ctgcctcagc	ctcccaggta	gctgggatta	caggcacatg	ccaccacacc	cagctaattt	14700
tttgtattat	tagtagagat	ggggtttctg	catgttggcc	aggctgatct	caaactcctg	14760
acttcaagtg	taccacctgc	ctcagcctcc	gaaagttctg	gaattacagg	cataagccac	14820
caccctggcc	ataaatattt	tttgttaatt	ttacattaag	tacaatattt	aggtccaaac	14880
ttcaaaagtc	tgttgaaatc	cctgaagtta	tagcagccaa	caattgatat	gaaatggcaa	14940
taaaaatgta	agttcatctg	cttcatgagc	cttaaggaaa	aaaactcaga	accagacact	15000
tttttagccc	ttccaggtta	gatccagggt	ttaaaagtta	ttcctttgag	ggagtttggc	15060
tgcttttgag	tggaggtgac	ttcaggctta	ttctctctgg	ctctctgctc	tggtcatttt	15120
tagacatagt	aataggttgt	gacctgtctt	cacatcctaa	ttgccactgt	ctgttcatcc	15180
caggaatcct	ggctttcatc	cctttctggt	cactgtccat	gcatgtcatc	tttccttctt	15240
tctgccaggg	accagatggg	ttagggattg	tgaattcaag	taaacgtaga	gctactatga	15300
gttacagatt	gactgtgttc	ctgtctttaa	taaatttgcc	aagagtgggt	ataagaactt	15360
acacctgatg	aggcaccagg	ctcctgatgc	tgtgtaatgt	cacaaaatac	ccctcactct	15420
cgatctgtgc	aagagaacag	ctggttgccg	tccaatcatg	ttacataacc	tacgcgaagg	15480
tatcgacagg	atcatactcc	tgtaaaatag	aactttgttg	atcacatcct	gtgtacttgt	15540
ttcacggaca	tgaggagcaa	ttacaacagg	tcgtacaatt	atggcaaaat	aatggcctta	15600
ttttgttttt	agcttcagcg	agaaccacga	cctttcccaa	agctcaggat	tcttcgaaaa	15660
gttgagaaaa	ttgatgactt	caaagctgaa	gactttcaga	ttgaagggtta	caatccgcat	15720
ccaactatta	aaatggaaat	ggctgtttag	ggtgctttca	aaggagctcg	aaggatattg	15780
tcagtcttta	ggggttgggc	tggatgccga	ggtaaaagtt	ctttttgctc	taaaagaaaa	15840
aggaactagg	tcaaaaatct	gtccgtgacc	tatcagttat	taatttttaa	ggatgttgcc	15900
actqccaaat	qtaactqtqc	caqttctttc	cataataaaa	qgctttgagt	taactcactg	15960

agggtatctg	acaatgctga	ggttatgaac	aaagtgagga	gaatgaaatg	tatgtgctct	16020
tagcaaaaac	atgtatgtgc	atttcaatcc	cacgtactta	taaagaaggt	tggatgaattt	16080
cacaagctat	ttttggaata	tttttagaat	attttaagaa	tttcacaagc	tattccctca	16140
aatctgaggg	agctgagtaa	caccatcgat	catgatgtag	agtgtgggta	tgaactttta	16200
agttatagtt	gttttatatg	ttgctataat	aaagaagtgt	tctgcattcg	tccacgcttt	16260
gttcattctg	tactgccact	tatctgctca	gttccttcc	aaaatagatt	aaagaactct	16320
ccttaagtaa	acatgtgctg	tattctgggt	tggatgctac	ttaaaagagt	atatttttaga	16380
aataatagtg	aatatatttt	gccctatttt	tctcatttta	actgcatctt	atcctcaaaa	16440
tataatgacc	atttaggata	gagttttttt	tttttttttt	taaactttta	taaccttaaa	16500
gggttatttt	aaaataatct	atggactacc	attttgccct	cattagcttc	agcatgggtg	16560
gacttctcta	ataatatgct	tagattaagc	aaggaaaaga	tgcaaaacca	cttcgggggt	16620
aatcagtgaa	atatttttcc	cttcggttgc	taccagatac	ccccgggtg	gcacgactat	16680
ttttattctg	ctaatttatg	acaagtgtta	aacagaacaa	ggaattattc	caacaagtta	16740
tgcaacatgt	tgcttatttt	caaattacag	tttaatgtct	aggtgccagc	ccttgatata	16800
gctatttttg	taagaacatc	ctcctggact	ttgggttagt	taaatctaaa	cttattttaag	16860
gattaagtag	gataacgtgc	attgatttgc	taaaagaatc	aagtaataat	tacttagctg	16920
attcctgagg	gtggtatgac	ttctagctga	actcatcttg	atcggtagga	ttttttaaat	16980
ccatttttgt	aaaactattt	ccaagaaatt	ttaagccctt	tcacttcaga	aagaaaaaag	17040
ttgttggggc	tgagcactta	attttcttga	gcaggaagga	gtttcttcca	aacttcacca	17100
tctggagact	ggtgtttctt	tacagattcc	tccttcattt	ctgttgagta	gccgggatcc	17160
tatcaaagac	caaaaaaatg	agtccgttta	acaaccacct	ggaacaaaaa	cagattttat	17220
gcatttatgc	tgctccaaga	aatgctttta	cgtctaagcc	agaggcaatt	aattaatttt	17280
tttttttttg	acatggagtc	actgtccgtt	gcccaggctg	cagtgcagtg	gcgcaatctt	17340
ggctcactgc	aacctccacc	tcccagggtt	aagtgattct	cctgcctcag	cctcccatgt	17400
agctgggatc	acaggcacct	gccaccatgc	ccggctaatt	ttttgtattt	ttttagaga	17460
cagggtttca	ccatgttggc	caggctgggt	tcaaacacct	gacctcaa	gatccacctg	17520
cctcagcctc	ccaaagtgtt	gggattacag	gcgtaagcca	ccatgccag	ccctgaatta	17580
atatttttaa	aataagtttg	gagactgttg	gaaataatag	ggcagaggaa	catattttac	17640
tggctacttg	ccagagttag	ttaactcatc	aaactctttg	ataatagttt	gacctctgtt	17700
ggtgaaaatg	agccatgatc	tcttgaacat	gatcagaata	aatgccccag	ccacacaatt	17760
gtagtccaaa	cttttttaggt	cactaacttg	ctagatgggt	ccagggtttt	ttgcacaagg	17820
agtgcaaatg	ttaagatctc	cactagttag	gaaaggctag	tattacagaa	gccttgtcag	17880
aggcaattga	acctccaagc	cctggccctc	aggcctgagg	attttgatac	agacaaactg	17940
aagaaccgtt	tgttagtggg	tattgcaaac	aaacaggagt	caaagcttgg	tgctccacag	18000
tctagttcac	gagacaggcg	tggcagtggc	tggcagcatc	tcttctcaca	ggggccctca	18060
ggcacagctt	accttgggag	gcatgtagga	agcccgctgg	atcatcacgg	gatacttgaa	18120
atgctcatgc	aggtggtcaa	catactcaca	caccctagga	ggagggaatc	agatcggggc	18180
aatgatgcct	gaagtcagat	tattcacgtg	gtgctaactt	aaagcagaag	gagcgagtac	18240
cactcaattg	acagtgttgg	ccaaggctta	gctgtgttac	catgcgtttc	taggcaagtc	18300
cctaaacctc	tgtgcctcag	gtccttttct	tctaaaatat	agcaatgtga	ggtggggact	18360
ttgatgacat	gaacacacga	agtccctctg	agagggtttg	tgggtgccct	taaaagggat	18420
caattcagac	tctgtaaata	tccagaatta	tttgggttcc	tctgggtcaa	agttagatga	18480
atagattaaa	atcaccacat	tttgtgatct	atttttcaag	aagcggttgt	attttttcat	18540
atggctgcag	cagctgccag	gggcttgggg	tttttttggc	aggtagggtt	gggagg	18596

<210> 125  
 <211> 3493  
 <212> DNA  
 <213> Homo sapiens  
 <400> 125

agcggccggg	gccacgatgg	agcgcgacgg	ctgcgcgggg	ggcgggagcc	gcggcggcga	60
gggcggggcgc	gctccccggg	agggccccggc	ggggaacggc	cgcgatcggg	gccgcagcca	120
cgctgccgag	gcgccccggg	acccgcaggc	ggccgcgtcc	ttgctggccc	ctatggacgt	180
gggggaggag	ccgctggaga	aggcggcgcg	cgcccgcact	gccaaggacc	ccaacaccta	240
taaagtactc	tcgctggtat	tgtcagtatg	tgtgttaaca	acaatacttg	gttgtatatt	300
tgggttgaaa	ccaagctgtg	ccaaagaagt	taaaagttgc	aaaggtcgct	gtttcgagag	360
aacatttggg	aactgtcgct	gtgatgctgc	ctgtgttgag	cttggaaact	gctgtttaga	420
ttaccaggag	acgtgcatag	aaccagaaca	tatatggact	tgcaacaaat	tcaggtgtgg	480
tgagaaaagg	ttgaccagaa	gcctctgtgc	ctgttcagat	gactgcaagg	acaagggcga	540
ctgctgcatc	aactacagtt	ctgtgtgtca	aggtgagaaa	agttgggtag	aagaaccatg	600
tgagagcatt	aatgagccac	agtgcccagc	agggtttgaa	acgcctccta	ccctcttatt	660
ttctttggat	ggattcaggg	cagaatattt	acacacttgg	ggtggacttc	ttcctgttat	720
tagcaaaacta	aaaaaatgtg	gaacatatac	taaaaacatg	agaccggtat	atccaacaaa	780
aactttcccc	aatcactaca	gcattgtcac	cggattgtat	ccagaatctc	atggcataat	840
cgacaataaaa	atgtatgatc	ccaaaatgaa	tgcttccttt	tcacttaaaa	gtaaagagaa	900
atttaatcct	gagtggtaga	aaggagaacc	aatttgggtc	acagctaagt	atcaaggcct	960
caagtctggc	acatttttct	ggccaggatc	agatgtggaa	attaacggaa	ttttcccaga	1020
catctataaaa	atgtataatg	gttcagtacc	atttgaagaa	aggatttttag	ctgttcttca	1080
gtggctacag	cttcctaaag	atgaaagacc	acacttttac	actctgtatt	tagaagaacc	1140
agattcttca	ggtcattcat	atggaccagt	cagcagtga	gtcatcaaag	ccttgacagag	1200
ggttgatggg	atggttggta	tgctgatgga	tggtctgaaa	gagctgaact	tgacacagatg	1260
cctgaacctc	atccttattt	cagatcatgg	catggaacaa	ggcagttgta	agaaatacat	1320
atatctgaat	aaatatttgg	gggatgttaa	aaatattaaa	gttatctatg	gacctgcagc	1380
tcgattgaga	ccctctgatg	tcccagataa	atactattca	tttaactatg	aaggcattgc	1440
ccgaaatctt	tcttgccggg	aaccaaacca	gcacttcaaa	ccttacctga	aacatttctt	1500
acctaagcgt	ttgcactttg	ctaagagtga	tagaattgag	cccttgacat	tctatttggga	1560
ccctcagtg	caacttgcac	tgaatccctc	agaaaggaaa	tattgtggaa	gtggatttca	1620
tggctctgac	aatgtatttt	caaatatgca	agccctcttt	gttggtctatg	gacctggatt	1680
caagcatggc	attgaggctg	acacctttga	aaacattgaa	gtctataact	taatgtgtga	1740
tttactgaat	ttgacaccgg	ctcctaataa	cggaaactcat	ggaagtctta	accaccttct	1800
aaagaatcct	gtttatacgc	caaagcatcc	caaagaagtg	cacccctcgg	tacagtgcc	1860
cttcacaaga	aacccagag	ataaccttgg	ctgctcatgt	aacccttcga	ttttgccgat	1920
tgaggatttt	caaacacagt	tcaatctgac	tgtggcgaaa	gagaagatta	ttaagcatga	1980
aactttaccc	tatggaagac	ctagagttct	ccagaaggaa	aacaccatct	gtcttctttc	2040
ccagcaccag	tttatgagt	gatacagcca	agacatctta	atgccccttt	ggacatccta	2100
taccgtggac	agaaatgaca	gtttctctac	ggaagacttc	tccaactgtc	tgtaccagga	2160
ctttagaatt	cctcttagtc	ctgtccataa	atgttcattt	tataaaaata	acaccaaagt	2220
gagttacggg	ttcctctccc	caccacaact	aaataaaaaat	tcaagtggaa	tatattctga	2280
agctttgctt	actacaaata	tagtgccaat	gtaccagagt	tttcaagtta	tatggcgcta	2340
ctttcatgac	accctactgc	gaaagtatgc	tgaagaaaga	aatggtgtca	atgtcgtcag	2400
tggctctgtg	tttgactttg	attatgatgg	acgttgtgat	tccttagaga	atctgaggca	2460
aaaaagaaga	gtcatccgta	accaagaaat	tttgattcca	actcacttct	ttattgtgct	2520
aacaagctgt	aaagatacat	ctcagacgcc	tttgactgt	gaaaacctag	acaccttagc	2580
tttcattttg	cctcacagga	ctgataacag	cgagagctgt	gtgcatggga	agcatgactc	2640
ctcatgggtt	gaagaattgt	taatgttaca	cagagcacgg	atcacagatg	ttgagcacat	2700
cactggactc	agcttctatc	aacaaagaaa	agagccagtt	tcagacattt	taaagttgaa	2760
aacacatttg	ccaaccttta	gccaagaaga	ctgatatgtt	ttttatcccc	aaacaccatg	2820
aatctttttg	agagaacctt	atattttata	tagtctctta	gctacactat	tgcattgttc	2880

agaaactgtc	gaccagagtt	agaacggagc	cctcgggtgat	gcgacatct	cagggaaact	2940
tgcgtactca	gcacagcagt	ggagagtgtt	cctgttgaat	cttgcacata	tttgaatgtg	3000
taagcattgt	atacattgat	caagttcggg	ggaataaaga	cagaccacac	ctaaaactgc	3060
ctttctgctt	ctcttaaagg	agaagtagct	gtgaacattg	tctggatacc	agatatttga	3120
atctttctta	ctattggtaa	taaaccttga	tggcattggg	caaacagtag	acttatagta	3180
gggttgggg	agcccatgtt	atgtgactat	ctttatgaga	attttaaagt	ggttctggat	3240
atcttttaac	ttggagtttc	atctcttttc	attgtaatca	aaaaaaaaat	taacagaagc	3300
caaaataactt	ctgagacctt	gtttcaatct	ttgctgtata	tccctcaaaa	atccaagtta	3360
ttaatcttat	gtgttttctt	tttaattttt	tgattggatt	tcttttagatt	taatggttca	3420
aatgagttca	actttgaggg	acgatctttg	aatatactta	cctattataa	aatcttactt	3480
tgtatttgta	ttt					3493

<210> 126  
 <211> 836  
 <212> DNA  
 <213> Homo sapiens

<400> 126						
gtgaaacacc	ctcggctggg	aagtcagttc	gttctctcct	ctcctctctt	cttgtttgaa	60
catggtgctg	actaaagcag	acagtgttcc	aggcacttac	agaaaagtgg	tggctgctcg	120
agccccaga	aaggtgcttg	gttcttccac	ctctgccact	aattcgacat	cagtttcatc	180
gaggaaagct	gaaaataaat	atgcaggagg	gaaccccggt	tgcgtgcgcc	caactcccaa	240
gtggcaaaaa	ggaattggag	aattcttttag	gttgtccctt	aaagattctg	aaaaagagaa	300
tcagattcct	gaagaggcag	gaagcagtg	cttaggaaaa	gcaaagagaa	aagcatgtcc	360
tttgcaacct	gatcacacaa	atgatgaaaa	agaatagaac	tttctcattc	atctttgaat	420
aacgtctcct	tgtttaccct	ggtattctag	aatgtaaatt	tacataaatg	tgtttggtcc	480
aattagcttt	gttgaacagg	catttaatta	aaaaatttag	gtttaaattt	agatgttcaa	540
aagtagttgt	gaaatttgag	aatttgtaag	actaattatg	gtaacttagc	ttagtattca	600
atataatgca	ttgtttgggt	tcttttacca	aattaagtgt	ctagttcttg	ctaaaatcaa	660
gtcattgcat	tgtgttctaa	ttacaagtat	gttgatattg	agatttgctt	agattgttgt	720
actgctgcca	tttttattgg	tgtttgatta	ttggaatgg	gccatattgt	cactccttct	780
acttgcttta	aaaagcagag	ttagattttt	gcacattaaa	aaattcagta	ttaatt	836

<210> 127  
 <211> 4203  
 <212> DNA  
 <213> Homo sapiens

<400> 127						
tgacaacatg	gcggcgccca	tgggtccgtg	cccggcagtg	ctcgcctaaa	ggtggagaac	60
gaggagtaga	ggaggccgca	gccagagcct	gtgagcagat	ccagacctac	agataaaaaa	120
cattatttta	tctatctggg	atttactccg	gcttatgatt	tgagggcctt	ctcaccttct	180
gaagaatggc	ttctgtttgg	cagagattgg	gtttttatgc	ctctcttctg	aaaagacagc	240
taaattggtg	gccagatgtc	atcaagtggg	aaaggagagt	aattcccgga	tgtaccagaa	300
gcatctacag	tgccacggga	aagtggacaa	aagagtatac	attgcagaca	agaaaggatg	360
ttgagaaatg	gtggcatcaa	cgaataaaa	aacaggcctc	caaaatttca	gaagctgata	420
aatcgaagcc	aaaattttac	gtgctttcca	tgttccctta	tccttctggg	aagctgcaca	480
tgggccatgt	gcgtgtctac	accatcagcg	acaccatagc	acggttccag	aagatgagag	540
ggatgcaggt	catcaacccc	atgggatggg	atgcttttgg	attgcctgct	gaaaatgccg	600
cagtcgagag	gaatctacat	ccacaaaagt	ggacacaaag	taatattaaa	cacatgagga	660
aacagcttga	tcgtctgggc	ctgtgtttca	gctgggatag	ggaaataact	acgtgtttgc	720
cagattacta	caagtggact	cagtatctct	ttattaaact	gtatgaggct	gggctggcct	780
atcaaaagga	ggccctgggt	aactgggacc	cagtggatca	aacagtgctt	gccaatgagc	840
aggtggatga	acatggctgt	tcatggcggt	ctggagcaaa	ggtggaacag	aagtacctca	900

gacaatggtt	tattaagaca	accgcttatg	caaaggccat	gcaggacgcg	ttggcagacc	960
ttccagaatg	gtatggaata	aaaggcatgc	aagccactg	gattggggac	tgtgtgggct	1020
gccacctgga	cttcacatta	aaggttcatg	ggcaagccac	gggcgaaaag	ctgactgcct	1080
atacggccac	ccctgaagcc	atztatggca	cctcccacgt	ggccatctcg	cccagccaca	1140
gactcctaca	tgggcacagc	tctctgaagg	aagccttgag	gatggccctt	gtccctggca	1200
aagattgcct	cacgcctgta	atggctgtga	acatgcttac	ccagcaggag	gtccctgtcg	1260
ttattttggc	caaagctgac	ttggaaggct	ctctggattc	aaaaatagga	attcccagta	1320
ctagctcaga	ggacaccatc	ttagcccaaa	ccctgggcct	ggcctactct	gaagtcattg	1380
aaactttgcc	agatggcaca	gagagactga	gcagctctgc	tgagttcaca	ggtatgacct	1440
ggcaggatgc	ttttctagcc	ctgactcaga	aagcccgggg	gaagagagtg	ggtggagacg	1500
tgacaagtga	taaactgaaa	gactggctga	tttcacggca	gcggtactgg	ggcacaccaa	1560
tccccattgt	ccactgcccc	gtctgtggcc	ccacacctgt	gccccctggag	gacttgccctg	1620
tgacctgcc	caacatcgcg	tctttcactg	gcaagggagg	ccccccactg	gccatggctt	1680
cagagtgggt	gaactgctcc	tgcccaaggt	gcaagggagc	agccaagaga	gagacagaca	1740
cgatggatac	ctttgttgat	tctgcttggt	actacttcag	atacactgac	cctcataatc	1800
cacacagccc	ttttaacaca	gcagtggccg	attactggat	gcctgtggat	ttgtacattg	1860
gagggaaaga	acatgccgtc	atgcacttgt	tctatgcaag	attctttagt	catttttgcc	1920
atgatcaaaa	aatggttaaa	catagggagc	cttttcataa	gctgctggcc	caaggcctta	1980
tcaaggggca	gacattccgc	ctaccatctg	gacagtatct	acagagagag	gaagtggatc	2040
tcacaggttc	cgttcctggt	catgcaaaaa	cgaaagagaa	gttagagggtg	acgtgggaga	2100
agatgagtaa	gtccaaacac	aacgggggtg	accagagga	agttgtggag	cagtatggga	2160
tcgacacgat	tcggctctac	atcctttttg	ctgccccctc	tgagaaggat	atcttgtggg	2220
atgtgaaaac	tgatgctctc	cctgggggtg	tgagatggca	acaacgactg	tggaccttga	2280
caactcgggt	tattgaggcc	agggcttctg	ggaagtctcc	ccagcctcag	ctgctgagta	2340
acaaggagaa	agctgaggcc	aggaagctct	gggagtacaa	gaactccgtc	atctctcagg	2400
tgaccacca	tttcacagag	gacttctcac	tgaattctgc	aatttctcag	ctgatgggac	2460
tcagcaatgc	cctctcgcaa	gcctctcaga	gcgtcattct	ccacagcccc	gagtttgagg	2520
atgctttgtg	tgccctgatg	gtaatggctg	ctccactggc	ccctcatgta	acctcagaga	2580
tctgggcagg	cctggcgctg	gtgccgagga	agctctgtgc	ccactacact	tgggatgcca	2640
gtgtgctgct	ccaggcatgg	cctgctgtgg	accggaggtt	cctgcagcag	cctgagggtg	2700
tccagatggc	agttctgatc	aacaataaag	cttgtggcaa	aattcctgtg	ccccacaag	2760
ttgcccggga	ccaggacaaa	gtccacgaat	ttgttcttca	aagcgagctg	ggtgtcaggc	2820
ttttgcaagg	acgaagcatc	aagaagtcct	tcctttcccc	gagaactgcc	ctcatcaact	2880
tcctggtgca	agattgacag	ccaggaggct	gcagctacca	cgagggcctc	tgaggaaacct	2940
ccttccaggc	ctgggatgag	ggggcgatgt	ctgctggccc	aggggaaggg	aaaagacaaa	3000
tgtcttgact	gttgacctcg	gtcctgtggc	agactgcagt	caacagtgtg	cctctgtagt	3060
gtggcctgg	gctggggtga	aggtgagctg	ggcaaaggag	aaatatgagc	tactgaggag	3120
ggggttggac	atcctgcccc	tcacccccca	cccacactgc	aggtagagga	ggccatctga	3180
tcccatggga	agccatcaga	gacactgctg	gtgggagcag	gaaggagcag	tgccccctga	3240
gcagccagga	agcctgcgga	tctgggaaat	ggctctgcct	taggcacttc	tcgggaattt	3300
gaggccagcc	tgaggaaactg	caggactcag	gtgcaatgtg	ccagccactt	ggaactgcta	3360
actgagcctc	cagatggtag	tgaatggctc	ctttgccttc	aggctggatg	aggaagtcat	3420
ttaggaaatg	ttcaaataac	caatatgtgg	aaatggacac	agggatcttc	tgaagttgct	3480
ttgaatcaaa	aggcaggcag	tgtgtgttcc	tctgctgtgt	tccccaccac	tccccagctc	3540
tgtcatgcag	gcctgtcctc	cccaacccca	gctggatgtg	cctcccaggc	ctgctgtggt	3600
tctgacacac	aggatcccg	gcaaggcacc	acttccctcac	atgaatgagg	agcagcaagt	3660
cataaccact	cccttgggta	tacaatttgc	tgtgtagtga	agtggaacca	ggctcaggct	3720
gctgggtccca	acctcagagc	cccaccgcag	cccagtaggg	atgcagcacg	ccccagaggg	3780



ctcatgtggg	ccccagatgg	caatgccacc	attgttgatg	tgactccaga	gccagttatt	3840
aggaagagca	agctcaccac	agaggagtgg	aactgaggcc	ccccagatgt	tgccctccgg	3900
gtccaagcca	cagcgggtctg	gctgttgagg	agatggccag	gaatggactc	ataccattgg	3960
cacattaggc	taatcctggt	tttatgtgaa	gtcagcaatt	aagtgttccc	actagaactg	4020
acctaagcca	ctgattaata	tttaaatgagg	gaaggtaggg	gagaatctag	ccattttata	4080
atgccagaaa	tctatatatg	ttatctgatg	ccatttttct	gaagtagcct	cacatgtgg	4140
ccccctgcag	ttcagcagtt	aacagatgac	tttttttagt	taataaaatg	tttatcatct	4200
atg						4203

<210> 128  
 <211> 906  
 <212> DNA  
 <213> Homo sapiens

<400> 128						
actcttgagg	aaactgctgg	gcaccgtcgt	cgcgctgaag	gtggttctgt	acctgctccg	60
agtgtgctta	gcgatggcct	ggaaatccgg	cgcgccagc	cactcggagc	taatccacaa	120
tctccgcaaa	aatggaatca	tcaagacaga	taaagtattt	gaagtgatgc	tggtacaga	180
ccgctccac	tatgcaaaat	gtaaccata	catggattct	ccacaatcaa	taggtttcca	240
agcaacaatc	agtgtccac	acatgcatgc	atatgcgcta	gaacttctat	ttgatcagtt	300
gcatgaagga	gctaaagctc	ttgatgtagg	atctggaagt	ggaatcctta	ctgcatgttt	360
tgcacgtatg	gttgatgta	ctggaaaagt	cataggaatt	gatcacatta	aagagctagt	420
agatgactca	gtaaataatg	tcaggaagga	cgatccaaca	cttctgtctt	cagggagagt	480
acagcttggt	gtgggggatg	gaagaatggg	atatgctgaa	gaagcccctt	atgatgccat	540
tcatgtggga	gctgcagccc	ctgttgtacc	ccaggcgcta	atagatcagt	taaagcccgg	600
aggaagattg	atattgcctg	ttggtcctgc	aggcggaac	caaagtgtgg	agcagtatga	660
caagctacaa	gatggcagca	tcaaaatgaa	gcctctgatg	ggggtgatat	acgtgccttt	720
aacagataaa	gaaaagcagt	ggtccagggtg	gaagtgattt	tatcttctgc	tctttcttct	780
tccacacatg	caagtgaag	ggtgtgattt	taagacatta	gactacaaga	gctgtttttg	840
gttgtcacct	ttatgctcct	ccattataac	gtcagaaatt	cattacatta	aaaatgtgaa	900
aatgt						906

<210> 129  
 <211> 852  
 <212> DNA  
 <213> Homo sapiens

<400> 129						
ggacggtcct	ttgttgccgc	gaggggtagg	agtgggcgtg	gcggagccag	ctccgttcgg	60
aacactcccg	ggccgaccgc	actcgtcat	cctgcaggag	ctgcggcgcc	aagatgagt	120
gagaggagaa	cccagccagc	aagcccacgc	cggtgcagga	cgtacagggc	gacgggcgct	180
ggatgtccct	gcaccatcgg	ttcgtggctg	acagcaaaga	taaggaacct	gaagtgcgtct	240
tcatcgggga	ctccttggtc	cagctcatgc	accagtgcga	gatctggcgc	gagctcttct	300
ctcctctgca	tgcacttaac	tttggcattg	gtggtgacgg	cacacagcat	gtactgtggc	360
ggctggagaa	tggggagctg	gaacacatcc	ggcccaagat	tgtggtggtc	tgggtgggca	420
ccaacaacca	cggacacaca	gcagagcagg	tgactggtgg	catcaaggcc	attgtgcaac	480
tggatgaatga	gcgacagccc	caggcccggg	ttgtggtgct	gggcctgctt	ccgcgaggcc	540
aacatcccaa	cccacttcgg	gagaagaacc	gacaggtgaa	cgagctggta	cgggcggcac	600
tggctggcca	ccctcgggccc	cacttcctag	atgccgaccc	tggctttgtg	cactcagatg	660
gcaccatcag	ccatcatgac	atgtatgatt	acctgcatct	gagccgcctg	ggctacacac	720
ctgttttgccg	ggctctgcac	tccttgcctc	tgcgtctgct	ggcccaagac	cagggccaag	780
gtgctccct	gctggagccc	gcaccctaag	catcctgctg	ccttcccaca	acattaaact	840
ctccttcctc	ag					852

<210> 130

<211> 5404  
 <212> DNA  
 <213> Homo sapiens

<400> 130  
 cctgtgttac atctggaagc aagcagtgtc gctgacggtg tgagtgtctc atgggaggag 60  
 gtggctggcc accacgcaga cctgtggccc cagggatcgg atgccaatgg tgatgggtgac 120  
 cagggccatg agaatgccgc attgccagac ccgcaggagt cggacccagc agacatgaac 180  
 gctctcgctc tgggtccctc agaatatgac tctctgcctg aaaatagcga gacaggagga 240  
 aatgagtctc aaccagacag ccaggaagac ccccgagaag tacttaaaaa aacattggaa 300  
 ttctgcttat ctaggagaa ccttgctagt gacatgtatc ttatatcaca gatggatagt 360  
 gaccagtatg tgccaatcac aacggtggct aacctcgacc acatcaagaa gctcagcact 420  
 gatgtggact tgattgtgga agtgctaaga tctttacctt tagtccaagt ggatgaaaag 480  
 ggagaaaaag taaggccaaa tcaaaatcgc tgcatagtaa tattgctgta aatatctgaa 540  
 tctacccccg tggaagaagt agaagcacta tttaaaggag ataatttacc aaaatttata 600  
 aactgtgaat ttgcatataa tgataattgg tttattacat ttgaaacaga agctgatgca 660  
 caacaggctt acaaatacct tcgagaagaa gtcaaaactt ttcaaggaaa accaattaag 720  
 gcacggataa aagcaaaggc aatagctata aacacatttt tgccaaagaa tggatttaga 780  
 cccctggacg tgagcctgta tgcccagcag cgtacgcga cgtcgttcta cttccctccc 840  
 atgtacagcc ccagcagca gttccccctg tacagcctga tcaactccca gacgtgggtca 900  
 gcaacgcaca gctatcttga cccacccttg gtaactccat ttccaaatac tggatttata 960  
 aatgggttta cgtctccagc gttcaagcct gcggcgtctc ctctgacttc tctcagacag 1020  
 tatcctctc gaagcaggaa tcctagtaaa tctcatctgc ggcattgcgat tcctagtgca 1080  
 gagaggggac ctgggttatt agaaagtcc tcaatattta acttcaactgc agatcgatta 1140  
 attaatggtg tccggagtcc acaaacaagg caagcaggtc aaactagaac acggattcaa 1200  
 aacccttcag catatgcca gagagaggct gggcctgggc gtgtggagcc aggcagtctc 1260  
 gaatcctctc ctggttttagg gaggggaagg aagaattcct ttggctaccg gaagaaaagg 1320  
 gaggagaagt ttacaagcag ccagacacag tctccaacgc caccaaagcc tccgtcgcca 1380  
 agcttcgagc tggggctgtc cagcttccct ccattacctg gagctgccgg caatttgaag 1440  
 acagaggact tgtttgaaaa caggctatct agcttgataa taggaccatc caaagaaagg 1500  
 accctcagtg cagacgcaag cgtgaacacc cttcctgtag tggctctccag agagccctcg 1560  
 gtgccggctt cttgtgctgt atcagcaacg tacgagcgat cccctcctcc agctcattta 1620  
 cccgatgatc ccaaggtggc ggagaaacag agggaaaccc acagtgtgga cagacttcc 1680  
 tccgccctca ctgcgaccgc gtgtaaatcg gtgcaggatga acggagccgc cacggaattg 1740  
 cgaaagccca gctacgcaga gatttgtcag agaacgagta aagagcctcc ttcttcccca 1800  
 ttgcaacccc aaaaagaaca aaagccaaac actgttgggt gtgggaagga ggaaaagaag 1860  
 ctggcagagc ccgcagagag ataccgggag ccccagccc tcaagtccac acctggagcc 1920  
 cccagagacc agaggcggcc ggccggggggc cggccctcgc cctcggccat ggggaagcgt 1980  
 ctacgccgag agcagagcac tcccccaag tctcctcagt gaaaaccgta cgtctgggag 2040  
 gggctcgaga gcgctgtgtt aaccacaaac gagacactct cccactcagt gcgaggcgga 2100  
 gccgctggtt aggagcttgc agtgtctgag gcctgtggga tcctcaagtt ggttttcttc 2160  
 tgtgagttgg attctcccc tcttgaaaaa aaatcgattt ttcaggattt aattaatata 2220  
 aaccttattt taggttggtg cttaactgga ggtgatgcat aagtctgatt ttttttcca 2280  
 agatagaaaa agcatttatc ctaacaaatt ggtatttttt attagcctc catgtggctc 2340  
 tgaatgcaag ctatatatag tgagtttttc taaattaagg gaactctgct tttttttttt 2400  
 ttttttaagt aactggtctg taagtgcata tctctagaac gtccccgcag atgaatgagg 2460  
 gccagtggcc ttggcagagg caggtgtggc ctctagagg cagtgtggc cgcgccagg 2520  
 catcagtgtc gatgtgggag ctgtgcttcc acctaaagcc ttggtagggg actgtggcat 2580  
 ttaagaatgt agagagcgca tcctttttga tctcctgggc ggagtgaacc tgcaggggcc 2640  
 accccagaaa ccttggttct gatgcactgc aagcaagtaa ccagcttctc actccagttt 2700

09954534-0913001

caagtggcta	ttatgtaata	taaattcaaa	gcacattgtg	aatagaacct	acatgaaaac	2760
atacactttg	ttgccactg	acatgttacc	agaagttgta	ccatgatgtt	gttttgaccc	2820
ctgtgagctg	atggccccgg	ccctgctctg	tgcacatttc	tgtccgtgtt	ccccagcact	2880
ctggttggag	agagtcacac	tcttcagctc	cgtgtggaca	tctccctgta	cctctgcac	2940
agcacatgga	tttaagagtt	atgtaatcgt	gagagaatgg	tgtttgtggt	ttttccccct	3000
ctttggctgg	tggaggataa	agttcctgct	cttttacctc	caagacgagg	gcctcattga	3060
ttcacttcca	gaagtgcctg	acttctgaag	aacaaggatg	cactaaagtt	agcaagttta	3120
taataaagtt	aaatataaat	tattttgttt	taaaatgcct	caaatttttc	tttattctaa	3180
gcagcaaaca	ttaaaataag	aatatttcct	gctaaatgta	accatacact	ttattccaca	3240
aaatgttatt	taacaagact	gaggggtttt	tttaagaaaa	aattatttcc	atccaatatt	3300
taaagacttg	aattttattt	aaacttgaaa	atgactttgc	cttaactttt	gtataagaca	3360
gcttagagtc	catggagccc	ggccctgggt	tggcgtgagt	gggtcagagt	tactcagtta	3420
ctgctgggat	ctcctgtcgc	tagttttact	gagtaagcat	actgtagtac	aagagctagt	3480
agtagttttt	gtaatatacc	ttaaagatct	tcaacagttg	atcttttttc	agaatgttgg	3540
aaaatcctgt	aaatgcaaat	agtcaatact	gtattaaata	cgtgcacttg	gagtgtgctt	3600
cgcttgata	gttgtaaata	atcagaacat	atgaaaaagg	taccctacag	agaaaattct	3660
gatacagatt	attgatatat	tataaatgtt	gctgttgagc	gggatgtaga	taaactaaat	3720
gttggtggtt	gaatattatt	ttgatttggt	gagattttct	tttttctctt	acatcggtgt	3780
gttgaaactga	ttctgcctct	ttgctgcaaa	aggggaattgg	aaagtcttat	taaaagcctc	3840
cagatgtttt	catactcttt	taaaatgtat	gtaaatgcat	actaatcata	tctaattgtga	3900
aagagtttta	aagtatatag	agagcaaaaa	ctggcaggat	cgtaagtgaa	ggtgactagt	3960
aatctaattt	aaatcacctg	cagctaagca	tgattgaccc	tgccagagga	aaacatgcct	4020
atttgaccat	ttccttttaa	gcagttgcca	ttattcaaat	acagagaaat	agccacaggg	4080
ctagtgtttt	tcaaatgcat	tttaagaac	atggggattt	ttttttgtag	ttgtcagttc	4140
actgaccaa	aaaaaaaaaa	aaatcagaaa	taattgatct	gtgaaacca	aactctcaat	4200
actcagaaag	ctgggaggca	acctcgaggc	ctgggcctac	gagctgcac	ttcgtacgg	4260
aagggccagg	gcgccatcag	ccattcccaa	aacacaaggc	ctgcccgctc	gccagtgagt	4320
ccttggtttt	taataatgag	aagtcctttc	ccccagggtg	tgagcattgc	agcgcagtgt	4380
gtgtgtgtgg	ttagagccag	cttagtcctt	cactttgtcg	accgaagtgg	gagctcaaca	4440
gctgcatgag	gagggcagcg	cgtgcattag	ccagtcgcca	ctggagggtc	ctgctgccct	4500
ccggtcaata	cactgtagtt	actgcctagc	cagcagcagt	cttctgcac	aagaactgaa	4560
accttgctcg	gaggtgattt	ttatagcatc	ctttttaatt	aaaggtgaaa	tacagattgc	4620
tatataatgt	ctgaaaaaac	ctgatactac	ttcaagagtt	tctgctcaga	agaaaatgag	4680
agttatcata	ataggaagct	gtggcggtcc	atgccaaactg	tgctgtgtca	catacagcga	4740
tgagagtggc	tttcatactt	tttttttttt	taagttaaca	ccctccttta	ccccagcag	4800
tatctcaggt	tatagaatca	gagatgcagc	agtgacaaat	ggcattttta	cttgtaaaat	4860
cgtgtgatga	tgcttatcat	tttgaaatag	agaataaaaa	acctggtccc	gtttcaccag	4920
acatgaattt	caagtggagt	cgtcgtttct	tgagagtggg	tgtcttgaca	ttttcaccca	4980
ggccctcctg	tcatcacatc	accggtgtc	actggcggtg	ggccgtaaac	gtcctgcgtt	5040
gctatattag	gatctctgca	gttcaggctt	caaaaccagt	tcagtgtatc	cgggcgacgg	5100
gtagtggtgg	tgcatgcctg	tctgtgtgcc	ccgctggcga	gctgtagttg	cggcttgctg	5160
gcctcgcggc	ccactacagg	gctgcagaca	atcgaggcga	gggcgctggc	cggcagcagc	5220
tcacagcgcg	ggggtcatgt	ggtcgctcct	cgaggggttc	gtttttgttc	tgcttcatta	5280
agactggaat	caagcttaca	tgtaaactat	tggttaattta	agtttccttt	tgtgtcattc	5340
agtgtaaaac	tgtctaattt	gaaaaaaaaa	gtaggttatg	aaaataaaga	tttaggcact	5400
gttc						5404

<210> 131  
<211> 4121

```

<212> DNA
<213> Homo sapiens
<400> 131
acaatgtggt cccgaagcgg ccagcgccgg gagctgcagc gctgagaccc ccagcccgcc 60
ccctcgggct cccggccggg gccccatcat gttctccagg aagaaacgag agctcatgaa 120
aacccttcc atctcgaaaa agaaccgcgc gggaagcccc agcccgagc cctcggggga 180
gctgcccagg aaggatgggg ctgacgcggg gttccccgga ccaagcctgg agccgcccgc 240
tggttcctcc ggcgtcaagg ccacagggac cctcaagcgg cccaccagcc tgagccgcc 300
cgccagcgcg gctggcttcc ccctgtcggg tgetgcctcc tggacactgg gccggagcca 360
ccggagccca ctgacagccg ccagcccggg cgagctgccc accgaggggtg ccggcccggga 420
cgtcgtcgag gacatctccc atctgctggc ggacgtggcc cgcttcgctg agggccttga 480
gaaacttaag gagtgtgtgt tgcgtgacga cctccttgag gccgcgcgcc cgcgggcccc 540
cgagtgcctg ggtgaggctc tgcgtgtcat gcatcagatc atctccaagt acccgctgct 600
gaacaccgtg gagacgtca ccgcagccgg caccctcatt gccaaaggtca aagccttcca 660
ttatgagagc aacaatgatc tggagaaaca ggagttcgag aaggccctgg agacgattgc 720
tgtggccttc agtagcacag tgtccgagtt cctcatgggt gaagtggaca gcagcacct 780
cctagcagtg cctcctgggg actcgagcca gtccatggaa agcctgtatg gaccgggcag 840
tgagggcacg cctcccagcc tgggaagactg tgacgcgggc tgctgcccg ccgaggaggt 900
ggacgtgctg ctacagcgct gtgagggggg cgtggatgcc gactgctgt atgccaaaga 960
catggccaag tacatgaagg acctcatcag ctacctggag aagcggacga cgctggagat 1020
ggagtttgc aagggcctgc agaagatcgc tcacaactgc agacagagcg tcatgcagga 1080
gccccacatg ccgctcctgt ccactactc gctggccctg gagcaggacc tggagtctcg 1140
ccacagcatg gtgcaggcgg tgggcacctt gcagaccag accttcatgc agcccctgac 1200
cctgcggcgg cttgaacacg agaagcgcag gaaggagatc aaggaggcct ggcaccgtgc 1260
ccagaggaag ctgcaagagg cggagtccaa cctgcgcaag gccaagcagg gttacgtgca 1320
gcgctgcgag gaccacgaca aggctcgctt cctcgtggcc aaggcggagg aggagcaggc 1380
tggcagcgcg ccgggagcag gcagcacggc caccaagacc ctggacaagc ggcggcggct 1440
ggaggaggag gccaagaaca aggcggagga agctatggcc acctaccgca cctgcgtggc 1500
cgacgcgaag acgcagaagc aggagctgga ggataccaag gtgacggcgc tgcggcagat 1560
ccaggaggtc atccggcaga gcgaccaaac catcaagtgc gccacgatct cctactacca 1620
gatgatgcat atgcagacgg cgccgctgcc cgtgcacttc cagatgctgt gtgagagcag 1680
caagctgtat gaccagggcc agcagtacgc ctcccacgtg cgccagctgc agcgggacca 1740
ggagcccgat gtgcaactac actttgagcc ccacgtctcc gccaacgcct ggtccccctg 1800
catgcgtgcc cggaaagaca gcttcaacgt gagtgatgtg gcgcggccgg aggctgccgg 1860
gagcccccca gaagaaggcg ggtgcaactga gggcacacct gccaaggacc acagggccgg 1920
gagaggacac caggttcaca agtcatggcc gctctcgatc tcagactcgg acagtgggct 1980
ggaccccgcc cctggcgagc gggactttaa gaagttcgag cggacgtcat ccagtggtag 2040
catgtcgtcc acggaggagc tgggtgaccc agacgggtga gccggggctt cagcctttga 2100
gcaggctgac ctcaacggca tgacccccga gctgccgggt gccgtgcccga gtggaccgtt 2160
ccgccacgag gggctgtcca aggcggcccc tactcaccgg ctccggaagc tccgcacgcc 2220
cgccaagtgc cgcgagtgca acagctacgt ctacttccag ggtgctgagt gtgaagagtg 2280
ctgcctggcc tgccacaaga aatgtctgga gacgtggcc atacagtgcg ggcacaagaa 2340
gctgcaaggc cgctgcagc tgttcggcca ggacttcagc cacgcggccc gcagcgcgcc 2400
cgacggcggt cccttcatcg tcaagaagtg cgtctgcgag atcgagcggc gggcgctgcg 2460
caccaagggc atctaccggg tcaatggggg aaagacacgc gtggagaagc tgtgccaggc 2520
cttcgagaac ggcaaggagc tggctgagct gtcgcaggcc tcgccccacg acatcagcaa 2580
cgtcctcaag ctctacctgc gtcagcttcc cgagccgctc atctccttcc gcctctacca 2640
cgagctcgta gggctggcca aggacagcct gaaggcagag gccgaggcca aggcggcgct 2700
ccggggccgg caggacggct cggagagcga ggcagtggcg gtggccctgg caggtcggct 2760

```

gcgggagctc	ctgcgggacc	tgccgcctga	gaaccggggcc	tcgctgcagt	acctgctgcg	2820
tcacctacgc	aggatcgtgg	aggtggagca	ggacaacaag	atgacccccg	ggaacctggg	2880
catcgtgttc	gggcccacgc	tgcttcggcc	acggcccacc	gaggccaccg	tgccccctctc	2940
ctccctgggtg	gattatcccc	atcaggcccc	cgtcatcgag	actctcatcg	tccactacgg	3000
cctggtcttc	gaggaggagc	cggaggagac	ccccgggggc	caggacgagt	catccaacca	3060
gcgagctgag	gtagtctgtc	aggtgccgta	cctggaggcg	ggcgaggcgg	tggctctacc	3120
gctgcaggag	gcggcggcgg	acgggtgcag	agaatcccg	gttgtgtcca	acgattcgga	3180
ctcggacct	gaggaggcct	ccgagctgct	gtcctcatcg	gaggccagt	ccctgggcca	3240
cctcagcttc	ctggagcagc	agcagagcga	ggccagccta	gaggtggctt	ctggcagcca	3300
cagcggcagt	gaggagcagc	tggaggccac	agcccgggag	gacggggacg	gggacgagga	3360
cggcccggcc	cagcagctct	caggattcaa	caccaaccag	tccaacaacg	tgctgcaggc	3420
cccactgccc	cccatgaggc	tccgtggcgg	gcggatgaca	ctgggctcct	gcagggaaag	3480
gcagccggaa	ttcgtgtgag	ctgggggtggg	gctgggacca	caggtggctt	ctctcttgcc	3540
tgctcctgtc	cctccagcac	gtccctgca	ccacggcata	gcttaggtgc	gccgtcctgg	3600
ggtcgtgcc	gagagcgcct	ggacttcgac	gtcccaccag	cgggcgcctc	ctcccagagg	3660
cttcaggag	cacgagggcc	ttgcggcaca	ggactgtgcc	ctgtgctgtc	ccctgcaccc	3720
cggctcagct	gagctgggga	acactgctgt	cgtgtgaagt	cacagtggcc	ttgttggtgc	3780
ccacagggt	gtgtggatgg	aggaagctgt	ccctgcccag	tgcatcccc	aggtcatcac	3840
ggggacgcag	gaggcaggcc	ctgccctgcc	ctctcctcac	aggtctgttg	cagggaactcc	3900
agaaaccatt	ctgggagccg	tggatggggg	cggagctggg	gtttggtgca	gtttccaggg	3960
tgagtacag	cagggcctga	atactggccc	tggactccct	tttccagaac	accaggtgtg	4020
gccacctggg	gctcaggtac	acagtggggg	ctctcggaag	ccaccgtgtg	gttctttcac	4080
aggcacgttt	attttgctga	aataaaaagt	ttttaatcgg	g		4121

<210> 132  
 <211> 4792  
 <212> DNA  
 <213> Homo sapiens

<400> 132	ggaccaccca	gtaccgatcc	cttcacgacc	gtcaccatgg	aagtgtcacc	attgcagcct	60
	gtaaataaaa	atatgcaagt	caacaaaata	aagaaaaatg	aagatgctaa	gaaaagactg	120
	tctgttgaaa	gaatctatca	aaagaaaaca	caatttggaac	atattttgct	ccgccagac	180
	acctacattg	gttctgtgga	attagtacc	cagcaaatgt	gggtttacga	tgaagatgtt	240
	ggcattaact	atagggaagt	cacttttgtt	cctggtttgt	acaaaatctt	tgatgagatt	300
	ctagttaatg	ctgcggacaa	caaacaaagg	gacccaaaaa	tgtcttgtat	tagagtcaca	360
	attgatccgg	aaaacaattt	aattagtata	tggataaatg	gaaaagggtat	tctgttgtt	420
	gaacacaaa	ttgaaaagat	gtatgtccca	gctctcatat	ttggacagct	cctaacttct	480
	agtaactatg	atgatgatga	aaagaaagt	acaggtggtc	gaaatggcta	tggagccaaa	540
	ttgtgtaaca	tattcagtag	caaatttact	gtggaaacag	ccagtagaga	atacaagaaa	600
	atgttcaaac	agacatggat	ggataaatat	ggaagagctg	gtgagatgga	actcaagccc	660
	ttcaatggag	aagattatac	atgtatcacc	tttcagcctg	atttgtctaa	gtttaaaatg	720
	caaagcctgg	acaaagatat	tgttgactca	atggctcaga	gagcatatga	tattgctgga	780
	tccaccaaag	atgtcaaagt	ctttcttaat	ggaaataaac	tgccagtaaa	aggatttcgt	840
	agttatgtgg	acatgtattt	gaaggacaag	ttggatgaaa	ctggtaactc	cttgaaagta	900
	atacatgaac	aagtaaacca	caggtgggaa	gtgtgtttaa	ctatgagtga	aaaaggcttt	960
	cagcaaatta	gctttgtcaa	cagcattgct	acatccaagg	gtggcagaca	tgttgattat	1020
	gtagctgac	agattgtgac	taaacttggt	gatgttgtga	agaagaagaa	caaggggtgt	1080
	gttgagtaaa	aagcacatca	ggtgaaaaat	cacatgtgga	tttttgtaaa	tgcttaatt	1140
	gaaaacccaa	cctttgactc	tcagacaaaa	gaaaacatga	ctttacaacc	caagagcttt	1200
	ggatcaacat	gccaatgag	tgaaaaattt	atcaaagctg	ccattggctg	tggatttgta	1260

gaagacatac	taaactgggt	gaagtttaag	gcccaagtc	agttaaacaa	gaagtgttca	1320
gctgtaaaac	ataatagaat	caagggaatt	cccaaactcg	atgatgccaa	tgatgcaggg	1380
ggccgaaact	ccactgagtg	tacgcttata	ctgactgagg	gagattcagc	caaaactttg	1440
gctgtttcag	gccttggtgt	ggttgggaga	gacaaatatg	gggttttccc	tcttagagga	1500
aaaatactca	atgttcgaga	agctttctcat	aagcagatca	tggaaaatgc	tgagattaac	1560
aatatcatca	agatttgtgg	tcttcagtag	aagaaaaact	atgaagatga	agattcattg	1620
aagacgcttc	gttatgggaa	gataatgatt	atgacagatc	aggaccaaga	tggttcccac	1680
atcaaaggct	tgctgattaa	ttttatccat	cacaactggc	cctctcttct	gcgacatcgt	1740
tttctggagg	aatttatcac	tcccatgtga	aaggatatcta	aaaacaagca	agaaatggca	1800
ttttacagcc	ttcctgaatt	tgaagagtgg	aagagttcta	ctccaaatca	taaaaaatgg	1860
aaagtcaaat	attacaaagg	tttgggcacc	agcacatcaa	aggaagctaa	agaatacttt	1920
gcagatatga	aaagacatcg	tatccagttc	aaatattctg	gtcctgaaga	tgatgctgct	1980
atcagcctgg	ccttttagcaa	aaaacagata	gatgatcgaa	aggaatgggt	aactaatttc	2040
atggaggata	gaagacaacg	aaagttactt	gggcttcctg	aggattactt	gtatggacaa	2100
actaccacat	atctgacata	taatgacttc	atcaacaagg	aacttatctt	gttctcaaat	2160
tctgataacg	agagatctat	cccttctatg	gtggatgggt	tgaaccagg	tcagagaaag	2220
gttttgttta	cttgcttcaa	acggaatgac	aagcgagaag	taaaggttgc	ccaattagct	2280
ggatcagtg	ctgaaatgtc	ttcttatcat	catggtgaga	tgctactaat	gatgaccatt	2340
atcaatttgg	ctcagaattt	tgtgggtagc	aataatctaa	acctcttgca	gcccatgtgt	2400
cagtttggt	ccaggctaca	tgggtggcaag	gattctgcta	gtccacgata	catctttaca	2460
atgctcagct	ctttggctcg	attgttattt	ccaccaaaag	atgatcacac	gttgaagt	2520
ttatatgatg	acaaccagcg	tgttgagcct	gaatggtaca	ttcctattat	tcccatgggt	2580
ctgataaatg	gtgctgaagg	aatcggtact	gggtggtcct	gcaaaatccc	caactttgat	2640
gtgctgaaa	ttgtaaataa	catcaggcgt	ttgatggatg	gagaagaacc	tttgccaatg	2700
cttccaagtt	acaagaactt	caagggtact	attgaagaac	tggctccaaa	tcaatatgtg	2760
attagtgggt	aagtagctat	tcttaattct	acaaccattg	aaatctcaga	gcttcccgtc	2820
agaacatgga	cccagacata	caaagaacaa	gttctagaac	ccatgttgaa	tggcaccgag	2880
aagacacctc	ctctcataac	agactatagg	gaataccata	cagataccac	tgtgaaattt	2940
gttgtgaaga	tgactgaaga	aaaactggca	gaggcagaga	gagttggact	acacaaagtc	3000
ttcaaactcc	aaactagtct	cacatgcaac	tctatgggtc	ttttgacca	cgtaggctgt	3060
ttaaagaaat	atgacacggg	gttggatatt	ctaagagact	ttttgaaact	cagacttaaa	3120
tattatggat	taagaaaaga	atggctccta	ggaatgcttg	gtgctgaatc	tgctaaactg	3180
aataatcagg	ctcgctttat	cttagagaaa	atagatggca	aaataatcat	tgaaaataag	3240
cctaagaaag	aattaattaa	agttctgatt	cagaggggat	atgattcgga	tcctgtgaag	3300
gcctggaaag	aagcccagca	aaagggtcca	gatgaagaag	aaaatgaaga	gagtgacaac	3360
gaaaaggaaa	ctgaaaagag	tgactccgta	acagattctg	gaccaacctt	caactatctt	3420
cttgatatgc	ccctttggta	tttaaccaag	gaaaagaaag	atgaactctg	caggctaaga	3480
aatgaaaaag	aacaagagct	ggacacatta	aaaagaaaga	gtccatcaga	tttgtggaag	3540
gaagacttgg	ctacatttat	tgaagaattg	gaggctgttg	aagccaagga	aaaacaagat	3600
gaacaagtgc	gacttcctgg	gaaagggggg	aaggccaagg	ggaaaaaac	acaaatggct	3660
gaagttttgc	cttctccgcg	tgggtcaaaga	gtcattccac	gaataaccat	agaaatgaaa	3720
gcagaggcag	aaaagaaaaa	taaaaagaaa	attaagaatg	aaaatactga	aggaagccct	3780
caagaagatg	gtgtggaact	agaaggccta	aaacaaagat	tagaaaagaa	acagaaaaga	3840
gaaccaggta	caaagacaaa	gaaacaaact	acattggcat	ttaagccaat	caaaaaagga	3900
agaagagaaa	atccctggcc	tgattcagaa	tcagatagga	gcagtgcga	aagtaatttt	3960
gatgtccctc	cacgagaaac	agagccacgg	agagcagcaa	caaaaacaaa	attcacaatg	4020
gatttgatt	cagatgaaga	tttctcagat	tttgatgaaa	aaactgatga	tgaagatttt	4080

gtcccatcag	atgctagtcc	acctaagacc	aaaacttccc	caaaacttag	taacaaagaa	4140
ctgaaaccac	agaaaagtgt	cgtgtcagac	cttgaagctg	atgatgttaa	gggcagtgtg	4200
ccactgtctt	caagccctcc	tgctacacat	ttcccagatg	aaactgaaat	tacaaaccca	4260
gttcctaaaa	agaatgtgac	agtgaagaag	acagcagcaa	aaagtcagtc	ttccacctcc	4320
actaccgggtg	ccaaaaaaag	ggctgcccc	aaaggaacta	aaagggatcc	agctttgaat	4380
tctgggtgtct	ctcaaaagcc	tgatcctgcc	aaaaccaaga	atcgccgcaa	aaggaagcca	4440
tccactttctg	atgatttctga	ctctaatttt	gagaaaattg	tttcgaaagc	agtcacaagc	4500
aagaaatcca	agggggagag	tgatgacttc	catatggact	ttgactcagc	tgtggctcct	4560
cgggcaaaat	ctgtacgggc	aaagaaacct	ataaagtacc	tggaagagtc	agatgaagat	4620
gatctgtttt	aaaatgtgag	gcgattat	taagtaatta	tcttaccag	cccaagactg	4680
gttttaaaagt	tacctgaagc	tcttaacttc	ctcccctctg	aatttagttt	ggggaagggtg	4740
tttttagtac	aagacatcaa	agtgaagtaa	agcccaagtg	ttcttttagct	tt	4792

<210> 133  
 <211> 1685  
 <212> DNA  
 <213> Homo sapiens

<400> 133	gagtagctgc	tttcgggtccg	ccggacacac	cggacagata	gacgtgcgga	cggcccacca	60
ccccagcccc	ccaactagtc	agcctgcgcc	tggcgccctcc	cctctccagg	tccatccgcc		120
atgtggcccc	tgtggcgccct	cgtgtctctg	ctggccctga	gccaggccct	gccctttgag		180
cagagaggct	tctgggactt	caccctggac	gatgggccat	tcatgatgaa	cgatgaggaa		240
gcttcggggc	ctgacacctc	aggcgtcctg	gaccgggact	ctgtcacacc	cacctacagc		300
gccatgtgtc	ctttcggtctg	ccactgccac	ctgcgggtgg	ttcagtgtc	cgacctgggt		360
ctgaagtctg	tgcccaaaga	gatctcccct	gacaccacgc	tgctggacct	gcagaacaac		420
gacatctccg	agctccgcaa	ggatgacttc	aagggtctcc	agcacctcta	cgccctcgtc		480
ctggtgaaca	acaagatctc	caagatccat	gagaaggcct	tcagcccact	gcggaagctg		540
cagaagctct	acatctccaa	gaaccacctg	gtggagatcc	cgcccaacct	accagctcc		600
ctggtggagc	tccgcatcca	cgacaaccgc	atccgcaagg	tgcccaaggg	agtgttcagc		660
gggctccgga	acatgaactg	catcgagatg	ggcggaacc	cactggagaa	cagtggcttt		720
gaacctggag	ccttcgatgg	cctgaagctc	aactacctgc	gcattctcaga	ggccaagctg		780
actggcatcc	ccaaagacct	ccctgagacc	ctgaatgaac	tccacctaga	ccacaacaaa		840
atccaggcca	tgaactgga	ggacctgctt	cgctactcca	agctgtacag	gctgggccta		900
ggccacaacc	agatcaggat	gatcgagaac	gggagcctga	gcttctgcc	cacctccgg		960
gagctccact	tggacaacaa	caagttggcc	aggggtgccct	cagggctccc	agacctcaag		1020
ctcctccagg	tggtctatct	gcactccaac	aacatcacca	aagtgggtgt	caacgacttc		1080
tgtcccatgg	gcttcgggggt	gaagcggggc	tactacaacg	gcattcagcct	cttcaacaac		1140
cccgtgccct	actgggaggt	gcagccggcc	actttccgct	gcgtcactga	ccgcctggcc		1200
atccagtttg	gcaactacaa	aaagtagagg	cagctgcagc	caccgcgggg	cctcagtggg		1260
ggtctctggg	gaacacagcc	agacatcctg	atggggaggc	agagccagga	agctaagcca		1320
gggcccagct	gcgtccaacc	cagcccccca	cctcaggtcc	ctgacccag	ctcgatgcc		1380
catcaccgcc	tctccttggc	tcccaaggggt	gcaggtgggc	gcaaggcccg	gccccatca		1440
catgttccct	tggcctcaga	gctgcccctg	ctctcccacc	acagccaccc	agaggcaccc		1500
catgaagctt	ttttctcggt	cactcccaaa	cccaagtgtc	caaagctcca	gtcctaggag		1560
aacagtcctt	gggtcagcag	ccaggaggcg	gtccataaga	atggggacag	tgggctctgc		1620
cagggctgcc	gcacctgtcc	agaacaacat	gttctgttcc	tcctcctcat	gcatttccag		1680
ccttg							1685

<210> 134  
 <211> 2334  
 <212> DNA  
 <213> Homo sapiens

<400>	134	agacacctct	gccctcacca	tgagcctctg	gcagcccctg	gtcctggtgc	tccctggtgct	60
		gggctgctgc	tttgctgccc	ccagacagcg	ccagtcacc	cttgtgctct	tccctggaga	120
		cctgagaacc	aatctcaccg	acaggcagct	ggcagaggaa	tacctgtacc	gctatggtta	180
		cactcgggtg	gcagagatgc	gtggagagtc	gaaatctctg	gggcctgcgc	tgctgcttct	240
		ccagaagcaa	ctgtccctgc	ccgagaccgg	tgagctggat	agcgccacgc	tgaaggccat	300
		gcgaacccca	cggtgcgggg	tcccagacct	gggcagattc	caaacctttg	agggcgacct	360
		caagtggcac	caccacaaca	tcacctattg	gatccaaaac	tactcggaag	acttgccgcg	420
		ggcggtgatt	gacgacgect	ttgcccgcgc	cttcgcaactg	tggagcgcg	tgacgccgct	480
		caccttcact	cgctgttaca	gccgggacgc	agacatcgct	atccagtttg	gtgtcgcgga	540
		gcacggagac	gggtatccct	tcgacgggaa	ggacgggctc	ctggcacacg	cctttcctcc	600
		tggccccggc	attcagggag	acgcccattt	cgacgatgac	gagttgtggt	ccctgggcaa	660
		gggcgtcgctg	gttccaactc	ggtttgga	cgagatggc	gcggcctgcc	acttcccctt	720
		catcttcgag	ggcgctcct	actctgcctg	caccaccgac	ggtcgctccg	acggcttgcc	780
		ctggtgcagt	accacggcca	actacgacac	cgacgaccgg	tttggttct	gccccagcga	840
		gagactctac	acccgggacg	gcaatgctga	tgggaaaccc	tgccagtttc	cattcatctt	900
		ccaaggccaa	tctactccg	cctgcaccac	ggacggctgc	tccgacggct	accgctggtg	960
		cgccaccacc	gccaactacg	accgggacaa	gctcttcggc	ttctgcccga	cccagactga	1020
		ctcgacggtg	atggggggca	actcggcg	ggagctgtgc	gtcttcccct	tactttcct	1080
		gggtaaggag	tactcgacct	gtaccagcga	gggcccggga	gatgggcgc	tctggtgcgc	1140
		taccacctcg	aactttgaca	gcgacaagaa	gtggggcttc	tgcccgacc	aaggatacag	1200
		tttgcttctc	gtggcgcg	atgagttcgg	ccacgcgctg	ggcttagatc	attcctcagt	1260
		gccggaggcg	ctcatgtacc	ctatgtaccg	cttcactgag	gggccccct	tgcataagga	1320
		cgacgtgaat	ggcatccggc	acctctatgg	tctcgcct	gaacctgagc	cacggcctcc	1380
		aaccaccacc	acaccgcagc	ccacggctcc	cccagcggct	tgccccaccg	gacccccac	1440
		tgtccacccc	ttagagcgcc	ccacagctgg	ccccacaggt	ccccctcag	ctggccccac	1500
		aggccccccc	actgctggcc	cttctacggc	cactactgtg	cctttgagtc	cggtggacga	1560
		tgctgcaac	gtgaacatct	tcgacgccat	cgcgagatt	gggaaccagc	tgtatttgtt	1620
		caaggatggg	aagtactggc	gattctctga	gggcaggggg	agccggccgc	agggcccctt	1680
		ccttatcgcc	gacaagtggc	ccgcgctgcc	ccgcaagctg	gactcggtct	ttgaggagcc	1740
		gctctccaag	aagcttttct	tcttctctgg	gcgccaggtg	tgggtgtaca	caggcgcgctc	1800
		ggtgctgggc	ccgaggcgct	tggacaagct	gggcctggga	gccgacgtgg	cccaggtgac	1860
		cggggccctc	cggagtggca	gggggaagat	gctgctgttc	agcgggcggc	gcctctggag	1920
		gttcgacgtg	aaggcgacga	tgggtgatcc	ccggagcgcc	agcgaggtgg	accggtggtt	1980
		ccccggggtg	cctttggaca	cgacgacgt	cttcacgtac	cgagagaaaag	cctatttctg	2040
		ccaggaccgc	ttctactggc	gcgtgagttc	ccgagtgag	ttgaaccagg	tggaccaagt	2100
		gggctacgtg	acctatgaca	tcttgacgtg	ccctgaggac	tagggctccc	gtcctgcttt	2160
		gcagtgccat	gtaaatcccc	actgggacca	accctgggga	aggagccagt	ttgccggata	2220
		caaactggta	ttctgttctg	gaggaaaggg	aggagtggag	gtgggctggg	ccctctcttc	2280
		tcacctttgt	ttttgttgg	agtgtttcta	ataaacttgg	attctctaac	cttt	2334

<210> 135  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<400>	135	ttccccgagc	cgagctcttg	gaccataatc	atggtggaca	tgatggactt	gccaggtcg	60
		cgcatcaacg	ccggcatgct	agctcaattc	atcgacaagc	ctgtctgctt	cgtagggagg	120
		ctggaaaaga	ttcatccac	cggaaaaatg	tttattcttt	cagatggaga	aggaaaaaat	180
		ggaaccatcg	agttgatgga	accccttgat	gaagaaatct	ctggaattgt	ggaagtgggt	240
		ggaagagtaa	ccgccaaggc	caccatcttg	tgtacatctt	atgtccagtt	taaagaagat	300



agccatcctt	ttgatcttgg	actttacaat	gaagctgtga	aaattatcca	tgacttcctt	360
cagttttatc	ctttagggat	tgtgcaacat	gattgatctt	gatggatttt	catacgattg	420
taaatgagct	atattaaagt	ctattaaagg	aagcccttct	tgtttgaggg	agagatttct	480
gtgctttctc	atatttaatt	tgctgttttt	aagatattcc	aacctagagt	ttttgatgga	540
actgatatat	tgacagttct	caccgaagcc	cttttataaa	gaattgctac	tccaatatat	600
ggtcagatta	gatgcaagaa	taaagcagtt	gtccgagtct	aagtttctat	tttattaata	660
aaaactaaaa	tggtacgtac	aaaaaaaaaa	cc			692

<210> 136  
 <211> 2002  
 <212> DNA  
 <213> Homo sapiens

<400> 136	ctcttctcac	atcagcgggt	ccaggcccaa	ccgacagact	atgggggctc	cttcaccagg	60
	cgctgctgg	agtggctgct	gggcctctac	ttcctcagcc	acatcccat	cacctgttc	120
	atggacctgc	aggcggctgt	gccgcgcgag	ctctaccag	tcgagtttag	aaacctgctg	180
	aagtggtag	ctaaggagt	caaagacca	ctgctacagg	agccccagc	ctggtttaag	240
	tcctttctgt	tttgcgagct	tgtgtttcag	ctgcctttct	ttccattgc	aacgtatgcc	300
	ttcctcaaag	gaagctgcaa	gtggattcga	actcctgcaa	tcctctactc	tgttcacacc	360
	atgacaacct	taattctgat	actctccaca	tttctgtttg	aggatttctc	caaagccagt	420
	ggtttcaagg	gacaaagacc	tgagactttg	catgaacggt	taacccttgt	gtctgtctat	480
	gccccctact	tactcatccc	attcatactt	ttaattttca	tgttgcggag	ccccactac	540
	aagtatgaag	agaaaagaaa	aaaaaaaaatga	aggaaacaac	cactggccca	gggtagagat	600
	gcctacaggg	tggttgcttg	ttggatacat	acaggaacac	tgctcagaac	ccacgtcttc	660
	agcagcattt	gaaacactgg	cagcaatgca	caagagcaag	atggtgtcag	gaaccatgtc	720
	aaaccctcac	cttcttccat	tttttttttt	tttttgagac	agtctcactc	tgttgccagg	780
	ctggagtaaa	gggcagtggc	atgatctcgg	ctcactgcaa	cctccgcctc	ctgggctcaa	840
	gccatcttcc	ttagcctccc	aagtagctag	aactacaggt	gtgtaccaac	acgtatggct	900
	aatttgtttt	gttttttttg	tgtgtgtgga	gacagggttt	tgccatgttg	cccaggttgg	960
	tctcgaacgc	ctaggtctaa	gtgatctgcc	cacctcagtc	tccctaagtg	ctgggattac	1020
	agacgtgaac	cactggggcc	agcccaaacc	ttcaccttct	aagggcactg	ggatgaacag	1080
	accgatcggc	ttgaggggtg	gcaaaggggt	gtgggctagg	ttataaggaa	gtggtaccaa	1140
	ataactgtgt	tgcttgagtt	ccaccgcaag	attactaaaa	gcaggaccag	accagaaact	1200
	gctaaagaac	atggcctggt	tgacatgttc	atgagtcacc	tgaccacag	catatatgct	1260
	tatgactaaa	ccctccactc	ctgattctca	agagtgtatc	acctgtcagc	aaaatgaata	1320
	gtgggatatt	ttgggccatt	ttaaatgtga	aattttgcct	ctttaatggt	aattcaaaac	1380
	tatatcaatg	ttttcttggt	cccacctcta	acccaaggaa	aaaagagaaa	acatactatg	1440
	caaaggaagt	ttaaacttaa	gttttcctta	agggtcagcc	caacaatgac	tttcagtcaa	1500
	atggattaaa	ctggaaaatg	tttttgtttc	tgttgtaaac	agatcatcct	aggcgaaagt	1560
	tttttttggt	tgtttgcttt	taaattagtt	tattttctaaa	tcttagtctt	ccacatttct	1620
	agaggccacc	tgacacaagt	ccctgtatct	gaagtctagc	atctcaaggc	tgatctggaa	1680
	gtgtgctagt	atgctcccta	gtggataact	taatctttta	atacagttcc	gtcattccca	1740
	tcttgttttc	agaagagaag	gtggctacag	ccaggcataa	cttatccact	gtgtgcatag	1800
	agggctctct	cacgttgatg	cttggtatcc	catcagcttt	ctctaagtct	ttgctcaagt	1860
	tcaaggttaa	aatgatgtta	gacaacaggt	cccagtcagt	cccctctatt	ttcaccattt	1920
	ttgctcacia	gccatattgg	cccgattagt	ggtactgtct	gactcacgtg	tgtgatccaa	1980
	ataaaggtag	ctgccgggaa	tt				2002

<210> 137  
 <211> 3220  
 <212> DNA  
 <213> Homo sapiens

<400> 137							
gagctgtccc	cggtgccgcc	gacccggggcc	gtgccgtgtg	cccgtggctc	cagccgctgc		60
cgctcgcgc	tcctcgtctc	ccgctccgcc	ctcccttttc	cctggatgaa	cttgctcct		120
ttctcttctc	cgccatggaa	ttctgctccg	tgcttttagc	cctcctgagc	caaagaaacc		180
ccagacaaca	gatgcccata	cgcagcgtat	agcagtaact	ccccagctcg	gtttctgtgc		240
cgtagttttac	agtattttaat	tttatataat	atatattatt	tattatagca	tttttgatac		300
ctcatatttct	gtttacacat	cttgaaaggc	gctcagtagt	tctcttacta	aacaaccact		360
actccagaga	atggcaacgc	tgattaccag	tactacagct	gctaccgccg	cttctgggtcc		420
tttgggtggac	tacctatgga	tgctcatcct	gggcttcatt	attgcatttg	tcttggcatt		480
ctccgtggga	gccaatgatg	tagcaaattc	ttttggtaca	gctgtgggct	caggtgtagt		540
gaccctgaag	caagcctgca	tcctagctag	catctttgaa	acagtgggct	ctgtcttact		600
ggggggccaaa	gtgagcgaaa	ccatccggaa	gggcttgatt	gacgtggaga	tgtacaactc		660
gactcaaggg	ctactgatgg	ccggctcagt	cagtgcctatg	tttgggtctg	ctgtgtggca		720
actcgtggct	tcgtttttga	agctccctat	ttctggaacc	cattgtattg	ttgggtgcaac		780
tattgggtttc	tcctcgtgg	caaaggggca	ggaggggtgtc	aagtgggtctg	aactgataaa		840
aattgtgatg	tcttgggttcg	tgtccccact	gctttctgga	attatgtctg	gaattttatt		900
cttctgtggt	cgtgcattca	tcctccataa	ggcagatcca	gttccctaatg	gtttgcgagc		960
tttgccagtt	ttctatgcct	gcacagttgg	aataaacctc	ttttccatca	tgtatactgg		1020
agcaccgttg	ctgggctttg	acaaacttcc	tctgtggggt	accatcctca	tctcgggtggg		1080
atgtgcagtt	ttctgtgccc	ttatcgtctg	gttctttgta	tgtcccagga	tgaagagaaa		1140
aattgaacga	gaaataaagt	gtagtccttc	tgaaagcccc	ttaatggaaa	aaaagaatag		1200
cttgaaagaa	gaccatgaag	aaacaaagtt	gtctgttggt	gatattgaaa	acaagcatcc		1260
tgtttctgag	gtagggcctg	ccactgtgcc	cctccaggct	gtgggtggagg	agagaacagt		1320
ctcattcaaa	cttgagagatt	tggaggaagc	tcagagagag	gagaggcttc	ccagcgtgga		1380
cttgaaagag	gaaaccagca	tagatagcac	cgtgaatggt	gcagtgcagt	tgccctaatg		1440
gaaccttgtc	cagttcagtc	aagccgtcag	caaccaaata	aactccagtg	gccactccca		1500
gtatcacacc	gtgcataagg	attccggcct	gtacaaagag	ctactccata	aattacatct		1560
tgccaaggtg	ggagattgca	tgggagactc	cggtgacaaa	cccttaaggc	gcaataatag		1620
ctatacttcc	tataccatgg	caatatgtgg	catgcctctg	gattcattcc	gtgccaaaga		1680
aggtgaacag	aagggcggaag	aaatggagaa	gctgacatgg	cctaatgcag	actccaagaa		1740
gcgaattcga	atggacagtt	acaccagtta	ctgcaatgct	gtgtctgacc	ttcactcagc		1800
atctgagata	gacatgagtg	tcaaggcagc	gatgggtcta	ggtgacagaa	aaggaagtaa		1860
tggctctcta	gaagaatggt	atgaccagga	taagcctgaa	gtctctctcc	tcttccagtt		1920
cctgcagatc	cttacagcct	gctttgggtc	attcgcccat	ggtggcaatg	acgtaagcaa		1980
tgccattggg	cctctggttg	ctttatattt	ggtttatgac	acaggagatg	tttcttcaaa		2040
agtggcaaca	ccaatatggc	ttctactcta	tgggtggtgt	ggtatctgtg	ttggtctgtg		2100
ggtttgggga	agaagagtta	tccagaccat	ggggaaggat	ctgacaccga	tcacaccctc		2160
tagtggcttc	agtattgaac	tggcatctgc	cctcactgtg	gtgattgcat	caaattattg		2220
ccttcccatc	agtacaacac	attgtaaagt	gggctctggt	gtgtctgttg	gctgggtccg		2280
gtccaagaag	gctgttgact	ggcgtctctt	tcgtaacatt	tttatggcct	ggtttgtcac		2340
agtccccatt	tctggagtta	tcagtgtctc	catcatggca	atcttcagat	atgtcatcct		2400
cagaatgtga	agctgtttga	gattaaaatt	tgtgtcaatg	tttgggacca	tcttaggtat		2460
tcctgctccc	ctgaagaatg	attacagtgt	taacagaaga	ctgacaagag	tctttttatt		2520
tgggagcaga	ggaggggaagt	gttacttgtg	ctataactgc	ttttgtgcta	aatatgaatt		2580
gtctcaaaat	tagctgtgta	aaatagcccc	ggttccactg	gctcctgctg	aggtcccctt		2640
tccttctggg	ctgtgaattc	ctgtacatat	ttctctactt	tttgtatcag	gcttcaattc		2700
cattatgttt	taatgttgtc	tctgaagatg	acttgtgatt	tttttttctt	ttttttaaac		2760
catgaagagc	cgtttgacag	agcatgctct	gcgttggttg	tttcaccagc	ttctgccttc		2820

acatgcacag	ggatttaaca	acaaaaatat	aactacaact	tcccttgtag	tctcttatat	2880
aagtagagtc	cttggtactc	tgccctcctg	tcaagtagtg	caggatctat	tggcatattc	2940
gggagcttct	tagagggatg	aggttctttg	aacacagtga	aaattttaa	tagtaacttt	3000
tttgcaagca	gtttattgac	tgttattgct	aagaagaagt	aagaaagaaa	aagcctgttg	3060
gcaatcttgg	ttatttcttt	aagatttctg	gcagtgtggg	atggatgaat	gaagtggat	3120
gtgaactttg	ggcaagttaa	atgggacagc	cttccatgtt	catttgtcta	cctcttaact	3180
gaataaaaaa	gcctacagtt	tttagaaaaa	acccgaattc			3220

<210> 138  
 <211> 835  
 <212> DNA  
 <213> Homo sapiens

<400> 138						
atggcgagca	gcggagtcaa	gaacacacca	cgatggcgga	gaaaagcccc	tcatgggagg	60
gaaaggaaa	agaaaggaaa	gaaaagaaaa	agatgtatct	ggtcaactcc	aaaaaggaga	120
cataagaaaa	aaagcctccc	aagagagatc	attgatggca	cttcagaaat	gaatgaagga	180
aagaggtccc	agaagatgcc	tagtacacca	cgaagggtca	cacaaggggc	agcctcacct	240
gggcatggca	tccaagagaa	gctccaagtg	gtggataagg	tgactcaaag	gaaagacgac	300
tcaacctgga	actcagaggt	catgatgagg	gtccaaaagg	caagaactaa	atgtgcccg	360
aagtccagat	cgaaagaaaa	gaaaaaggag	aaagatatct	gttcaagctc	aaaaaggaga	420
tttcagaaaa	atattcaccc	aagaggaaaa	cccaaaagtg	acactgtgga	ttttcactgt	480
tctaagtccc	ccgtgacctg	tggtgaggcg	aaagggattt	tatataagaa	gaaaatgaaa	540
cacggatcct	cagtgaagtg	cattcggaat	gaggatggaa	cttggttaac	accaaataaa	600
tttgaagtgc	aaggaaaagg	aaggaaacgc	aagaactgga	aacggaatat	acgttgtgaa	660
ggaatgaccc	taggagagct	gctgaagagt	ggacttttgc	tctgtcctcc	aagaataaat	720
ctcaagagag	agttaaatag	caagtgaatt	tctactaccc	tctcagtcac	catgttgacg	780
actttccctg	tctggaggct	caccttagag	cttctgagtt	tccaagcccc	gaatt	835

<210> 139  
 <211> 840  
 <212> DNA  
 <213> Homo sapiens

<400> 139						
ccggtgagtc	gcggcgctg	cagagggagg	cggcactggt	ctcgacgtgg	ggcgccagc	60
gatgaagccg	cccagttcaa	tacaaacaag	tgagtttgac	tcatcagatg	aagagcctat	120
tgaagatgaa	cagactccaa	ttcatatatc	atggctatct	ttgtcacgag	tgaattgttc	180
tcagtttctc	ggtttatgtg	ctcttcagg	ttgtaaattt	aaagatgtta	gaagaaatgt	240
ccaaaaagat	acagaagaac	taaagagctg	tggtatacaa	gacatatttg	ttttctgcac	300
cagaggggaa	ctgtcaaaat	atagagtccc	aaaccttctg	gatctctacc	agcaatgtgg	360
aattatcacc	catcatcatc	caatcgaga	tgaggggact	cctgacatag	ccagctgctg	420
tgaaataatg	gaagagctta	caacctgcct	taaaaattac	cgaaaaacct	taatacactg	480
ctatggagga	cttgggagat	cttgtcttgt	agctgcttgt	ctcctactat	acctgtctga	540
cacaatatca	ccagagcaag	ccatagacag	cctgcgagac	ctaagaggat	ccggggcaat	600
acagaccatc	aagcaataca	attatcttca	tgagtttcgg	gacaaattag	ctgcacatct	660
atcatcaaga	gattcacaat	caagatctgt	atcaagataa	aggaattcaa	atagcatata	720
tatgaccatg	tctgaaatgt	cagttctcta	gcataatttg	tattgaaaat	gaaaccacca	780
gtcgttatca	acttgaatgt	aaatgtacat	gtgcagatat	tcctaaagtg	ccttcgtggc	840

<210> 140  
 <211> 2439  
 <212> DNA  
 <213> Homo sapiens

<400> 140						
cagcaccag	ctccccgcca	ccgccatggt	ccccgacacc	gcctgcgttc	ttctgctcac	60
cctggctgcc	ctcggcgctg	ccggacaggg	ccagagcccc	ttgggctcag	acctgggccc	120

gcagatgctt	cggaactgc	aggaaaccaa	cgcgcgctg	caggacgtgc	gggactggct	180
gcggcagcag	gtcagggaga	tcacgttcct	gaaaaacacg	gtgatggagt	gtgacgcgtg	240
cgggatgcag	cagtcagtac	gcaccggcct	accagcgtg	cggcccctgc	tccactgcgc	300
gcccggcttc	tgttccccg	gcggtggcctg	catccagacg	gagagcggcg	gccgtgcgg	360
ccccgcccc	gcggttca	cgggcaacgg	ctcgactgc	accgacgtca	acgagtgcaa	420
cgccaccccc	tgttcccc	gagtcgctg	tatcaacacc	agcccgggt	tccgtgcga	480
ggcttgcgcg	ccgggtaca	gcgccccac	ccaccagggc	gtgggctgg	cttcgcaa	540
ggccaacaag	caggtttgca	cggacatcaa	cgagtgtgag	accgggcaac	ataactgcgt	600
ccccaaactcc	gtgtgcatca	acaccgggg	ctccttcag	tgcggcccg	gccagcccg	660
cttcgtgggc	gaccaggcgt	ccggtgcca	gcgcggcgca	cagcgttct	gccccgacgg	720
ctcgccagc	gagtgcacg	agcatgcaga	ctgcgtccta	gagcgcgatg	gctcgcggtc	780
gtgctgtgtg	cgcttggct	gggcccggcaa	cgggatcctc	tgtggtcgcg	acactgacct	840
agacggcttc	ccggacgaga	agctgcgtg	ccggagccg	cagtgcgta	aggacaactg	900
cgtgactgtg	cccaactcag	ggcaggagga	tgtggaccgc	gatggcatcg	gagacgcctg	960
cgatccggat	gccgacgggg	acgggtccc	caatgaaaag	gacaactgcc	cgctggtgcg	1020
gaaccagac	cagcgcaaca	cggacgagga	caagtggggc	gatgcgtgcg	acaactgccg	1080
gtcccagaag	aacgacgacc	aaaaggacac	agaccaggac	ggccggggcg	atgctgcga	1140
cgacgacatc	gacggcgacc	ggatccgcaa	ccaggccgac	aactgcccta	gggtaccaa	1200
ctcagaccag	aaggacagtg	atggcgatgg	tataggggat	gcctgtgaca	actgtcccca	1260
gaagagcaac	ccggatcagg	cggatgtgga	ccacgacttt	gtgggagatg	cttgtgacag	1320
cgatcaagac	caggatggag	acggacatca	ggactctcgg	gacaactgtc	ccacggtgcc	1380
taacagtgcc	caggaggact	cagaccacga	tggccagggt	gatgcctgcg	acgacgacga	1440
cgacaatgac	ggagtccctg	acagtcggga	caactgccgc	ctggtgccta	acccggcca	1500
ggaggacgcg	gacagggacg	gcggtggcgga	cgtgtgccag	gacgactttg	atgcagacaa	1560
ggtggtagac	aagatcgacg	tgtgtccgga	gaacgctgaa	gtcacgctca	ccgacttcag	1620
ggccttccag	acagtcgtgc	tggaccggga	gggtgacgcg	cagattgacc	ccaactgggt	1680
ggtgtcaac	cagggaaggg	agatcgtgca	gacaatgaac	agcgaccag	gcctggctgt	1740
gggttacact	gccttcaatg	gcggtggactt	cgagggcacg	ttccatgtga	acacggtcac	1800
ggatgacgac	tatgcgggt	tcatctttgg	ctaccaggac	agctccagct	tctacgtggt	1860
catgtggaag	cagatggagc	aaacgtattg	gcaggcgaac	cccttccgtg	ctgtggccga	1920
gcttggcatc	caactcaagg	ctgtgaagtc	ttccacaggc	ccgggggaac	agctgcggaa	1980
cgctctgttg	catacaggag	acacagagtc	ccagggtcgg	ctgctgtgga	aggaccgcg	2040
aaacgtgggt	tggaaggaca	agaagtccta	tcgttggttc	ctgcagcacc	ggccccaaagt	2100
gggtacatc	agggtgcat	tctatgaggg	ccctgagctg	gtggccgaca	gcaacgtggt	2160
cttgacaca	accatgcggg	gtggccgct	gggggtcttc	tgttctccc	aggagaacat	2220
catctgggcc	aacctgcgtt	accgctgcaa	tgacaccatc	ccagaggact	atgagaccca	2280
tcagctgcgg	caagcctagg	gaccagggtg	aggaccgcgc	ggatgacagc	cacctcacc	2340
gcggctggat	gggggtctg	caccagccc	aaggggtggc	cgtcctgagg	gggaagtgag	2400
aagggtcag	agaggacaaa	ataaagtgtg	tgtgcaggg			2439

<210> 141  
 <211> 2261  
 <212> DNA  
 <213> Homo sapiens

<400> 141	ggctgctccg	gcgaggcgac	ccttgggtcg	gcgctgcggg	cgaggtgggc	60
ccgcggttcc	gcgacggcc	gcggttctcc	ggcaagcgca	ggcgcgagg	tccccacgg	120
cgccgaagc	gcccccgca	ccccggcct	ccagcgttga	ggcgggggag	tgaggagatg	180
ccgaccaga	gggacagcag	caccatgtcc	cacacggtcg	caggcgggcg	cagcggggac	240
cattccacc	aggtccgggt	gaaagcctac	taccgcgggg	atatcatgat	aacacatttt	300

gaaccttcca	tctcctttga	gggcctttgc	aatgaggttc	gagacatgtg	ttcttttgac	360
aacgaacagc	tcttcaccat	gaaatggata	gatgaggaag	gagacccgtg	tacagtatca	420
tctcagttgg	agttagaaga	agcctttaga	ctttatgagc	taaacaagga	ttctgaactc	480
ttgattcatg	tggtcccttg	tgtaccagaa	cgctctggga	tgccttgtcc	aggagaagat	540
aaatccatct	accgtagagg	tgcacgccgc	tggagaaagc	tttattgtgc	caatggccac	600
actttccaag	ccaagcgttt	caacaggcgt	gctcactgtg	ccatctgcac	agaccgaata	660
tggggacttg	gacgccaagg	atataagtgc	atcaactgca	aactcttggg	tcataagaag	720
tgccataaac	tcgtcacaat	tgaatgtggg	cggcattctt	tgccacagga	accagtgatg	780
cccattggatc	agtcattccat	gcattctgac	catgcacaga	cagtaattcc	atataatcct	840
tcaagtcatg	agagtttgga	tcaagttggg	gaagaaaaag	aggcaatgaa	caccagggaa	900
agtggcaaag	cttcatccag	tctaggtctt	caggattttg	atttgctccg	ggtaatatga	960
agaggaagtt	atgccaaagt	actgttggtt	cgattaaaaa	aaacagatcg	tatttatgca	1020
atgaaagttg	tgaaaaaaga	gcttggtaat	gatgatgagg	atattgattg	ggtacagaca	1080
gagaagcatg	tgtttgagca	ggcatccaat	catcctttcc	ttgttgggct	gcattcttgc	1140
tttcagacag	aaagcagatt	gttctttggt	atagagtatg	taaatggagg	agacctaatg	1200
tttcatatgc	agcgacaaag	aaaacttcct	gaagaacatg	ccagatttta	ctctgcagaa	1260
atcagtctag	cattaaatta	tcttcatgag	cgagggataa	tttatagaga	tttgaaactg	1320
gacaatgtat	tactggactc	tgaaggccac	attaaactca	ctgactacgg	catgtgtaag	1380
gaaggattac	ggccaggaga	tacaaccagc	actttctgtg	gtactcctaa	ttacattgct	1440
cctgaaatth	taagaggaga	agattatggt	ttcagtgttg	actgggtggc	tcttggaagt	1500
ctcatgtttg	agatgatggc	aggaaggctt	ccatttgata	ttgttgggag	ctccgataac	1560
cctgaccaga	acacagagga	ttatctcttc	caagttattt	tggaaaaaca	aattcgcata	1620
ccacgttctc	tgtctgtaaa	agctgcaagt	gttctgaaga	gttttcttaa	taaggacctt	1680
aaggaacgat	tgggttggtc	tcctcaaaca	ggatttgctg	atattcaggg	acaccggtc	1740
ttccgaaatg	ttgattggga	tatgatggag	caaaaacagg	tggtaacctc	ctttaaacca	1800
aatattttctg	gggaatttgg	tttggaaca	tttgattctc	agtttactaa	tgaacctgtc	1860
cagctcactc	cagatgacga	tgacattgtg	aggaagattg	atcagtctga	atttgaagg	1920
tttgagtata	tcaatcctct	tttgatgtct	gcagaagaat	gtgtctgatc	ctcatttttc	1980
aacctatgtat	tctactcatg	ttgccattta	atgcatggat	aaacttgctg	caagcctgga	2040
tacaattaac	cattttatat	ttgccacct	caaaaaaaca	cccaatatct	tctcttgtag	2100
actatatgaa	tcaattatta	catctgtttt	actatgaaaa	aaaaattaat	actactagct	2160
tccagacaat	catgtcaaaa	tttagttgaa	ctgggttttc	agttttttaa	aggcctacag	2220
atgagtaatg	aagttacctt	ttttgtttta	aaaaaaaaaa	g		2261

<210> 142  
 <211> 1488  
 <212> DNA  
 <213> Homo sapiens

<400> 142	cgcgacggct	gagcaaggac	tctccagtc	tcagtcacct	tggacaaaga	agtgtggatc	60
	ctcagattcc	atcttttcca	actccaaggt	gccatggcag	agaagggtg	ggtaacaggt	120
	ggggctggct	acattggcag	ccacacgggt	ctggagctgc	tggaggctgg	ctacttgctt	180
	gtggctcatg	ataacttcca	taatgccttc	cgtggagggg	gctccctgcc	tgagagcctg	240
	cggcgggtcc	aggagctgac	aggccgctct	gtggagtttg	aggagatgga	cattttggac	300
	caggagccc	tacagcgtct	cttcaaaaag	tacagcttta	tggcggctcat	ccactttgcg	360
	gggctcaagg	ccgtgggcga	gtcgggtgcag	aagcctctgg	attattacag	agttaacctg	420
	accgggacca	tccagcttct	ggagatcatg	aaggcccacg	gggtgaagaa	cctgggtgttc	480
	agcagctcag	ccactgtgta	cggaaccccc	cagtacctgc	cccttgatga	ggcccccccc	540
	acgggtgggt	gtaccaaccc	ttacggcaag	tccaagttct	tcatcgagga	aatgatccgg	600
	gacctgtgcc	aggcagacaa	gacttggga	gtagtgtgc	tgcgctattt	caacccaca	660

ggtgccccatg	cctctggctg	cattggtgag	gatccccagg	gcatacccaa	caacctcatg	720
ccttatgtct	cccaggtggc	gatcgggcga	cgggaggccc	tgaatgtctt	tggcaatgac	780
tatgacacag	aggatggcac	aggtgtccgg	gattacatcc	atgtcgtgga	tctggccaag	840
ggccacattg	cagccttaag	gaagctgaaa	gaacagtgtg	gctgccggat	ctacaacctg	900
ggcacgggca	caggctattc	agtgtctgag	atgggtccagg	ctatggagaa	ggcctctggg	960
aagaagatcc	cgtacaagg	ggtggcacgg	cgggaagggtg	atgtggcagc	ctgttacgcc	1020
aaccccagcc	tggcccaaga	ggagctgggg	tggacagcag	ccttagggct	ggacaggatg	1080
tgtgaggatc	tctggcgctg	gcagaagcag	aatccttcag	gctttggcac	gcaagcctga	1140
ggacctccc	ctaccaagga	ccaggaaaag	cagcagctgc	ctgctctcca	gcctctggag	1200
gaactcaggg	ccctggagct	gctggggcca	agccaagggc	ctccccctacc	tcaaacccca	1260
gctggggccc	cttagccac	caggcatgag	gccaaaggctc	cactgaccag	gaggccgagg	1320
tctctaactc	ttatcttcca	cagggtccaa	gagttcatca	ggaccccca	gagtga	1380
gggggcaagg	ctctggcaca	aaacctctc	ctcccaggca	ctcatttata	ttgctctgaa	1440
agagctttcc	aaagtattta	aaaataaaaa	caagttttct	tacactgg		1488

<210> 143  
 <211> 4839  
 <212> DNA  
 <213> Homo sapiens

<400> 143						
tccggttttt	ctcaggggac	ggtgaaatta	tttttgaac	gggagtcggg	agaggacggg	60
gcgtgccccg	cgtgcgcgcg	cgtcgtcctc	cccggcgctc	ctccacagct	cgctggctcc	120
cgccgcggaa	aggcgtcatg	ccgcccaaaa	cccccgaaa	aacggccgcc	accgccgccg	180
ctgccgcgcg	ggaacccccg	gcaccgcgcg	cgcgcgcgcc	tcctgaggag	gaccagagc	240
aggacagcgg	cccgaggagc	ctgcctctcg	tagggttga	gtttgaagaa	acagaagaac	300
ctgattttac	tgcattatgt	cagaaattaa	agataccaga	tcatgtcaga	gagagagctt	360
ggttaacttg	ggagaaagtt	tcatctgtgg	atggagtatt	gggaggttat	attcaaaaga	420
aaaaggaact	gtggggaatc	tgtatcttta	ttgcagcagt	tgacctagat	gagatgtcgt	480
tcacttttac	tgagctacag	aaaaacatag	aaatcagtgt	ccataaattc	tttaacttac	540
taaaagaaat	tgataccagt	accaaagttg	ataatgctat	gtcaagactg	ttgaagaagt	600
atgatgtatt	gtttgcactc	ttcagcaaat	tggaaaggac	atgtgaactt	atatatttga	660
cacaaccag	cagttcgata	tctactgaaa	taaattctgc	attggtgcta	aaagtttctt	720
ggatcacatt	tttattagct	aaaggggaag	tattacaaat	ggaagatgat	ctggtgattt	780
catttcagtt	aatgctatgt	gtccttgact	attttattaa	actctcacct	cccatgttgc	840
tcaaagaacc	atataaaaca	gctgttatac	ccattaatgg	ttcacctcga	acaccaggc	900
gaggtcagaa	caggagtgc	cggatagcaa	aacaactaga	aaatgataca	agaattattg	960
aagttctctg	taaagaacat	gaatgtaata	tagatgaggt	gaaaaatgtt	tatttcaaaa	1020
attttatacc	ttttatgaat	tctcttggac	ttgtaacatc	taatggactt	ccagaggttg	1080
aaaatctttc	taaacgatac	gaagaaattt	atcttaaaaa	taaagatcta	gatgcaagat	1140
tattttttgga	tcatgataaa	actcttcaga	ctgattctat	agacagtttt	gaaacacaga	1200
gaacaccacg	aaaaagtaac	cttgatgaag	aggtgaatgt	aattcctcca	cacactccag	1260
ttaggactgt	tatgaacact	atccaacaat	taatgatgat	tttaaattca	gcaagtgatc	1320
aaccttcaga	aaatctgatt	tcctatttta	acaactgcac	agtgaatcca	aaagaaagta	1380
tactgaaaag	agtgaaggat	ataggataca	tctttaaaga	gaaatttgct	aaagctgtgg	1440
gacagggttg	tgtcgaaatt	ggatcacagc	gatacaaact	tggagttcgc	ttgtattacc	1500
gagtaatgga	atccatgctt	aaatcagaag	agaacgatt	atccattcaa	aatttttagca	1560
aacttctgaa	tgacaacatt	tttcatatgt	ctttattggc	gtgcgctctt	gaggttgtaa	1620
tggccacata	tagcagaagt	acatctcaga	atcttgattc	tggaaacagat	ttgtctttcc	1680
catggattct	gaatgtgctt	aattttaaag	cctttgattt	ttacaaagtg	atcgaaagtt	1740
ttatcaaagc	agaaggcaac	ttgacaagag	aaatgataaa	acatttagaa	cgatgtgaac	1800

atcgaatcat	ggaatccctt	gcatggctct	cagattcacc	tttatttgat	cttattaaac	1860
aatcaaagga	ccgagaagga	ccaactgatc	accttgaatc	tgcttgtcct	cttaatcttc	1920
ctctccagaa	taatcacact	gcagcagata	tgtatctttc	tcctgtaaga	tctccaaaga	1980
aaaaagggtc	aactacgcgt	gtaaattcta	ctgcaaagc	agagacacaa	gcaacctcag	2040
ccttccagac	ccagaagcca	ttgaaatcta	cctctctttc	actgttttat	aaaaaagtgt	2100
atcggctagc	ctatctccgg	ctaaatacac	tttgtgaacg	ccttctgtct	gagcaccag	2160
aattagaaca	tatcatctgg	acccttttcc	agcacaccct	gcagaatgag	tatgaactca	2220
tgagagacag	gcatttggac	caaattatga	tgtgttccat	gtatggcata	tgcaaagtga	2280
agaatataga	ccttaaattc	aaaatcattg	taacagcata	caaggatctt	cctcatgctg	2340
ttcaggagac	attcaaacgt	gttttgatca	aagaagagga	gtatgattct	attatagtat	2400
tctataactc	ggcttctcatg	cagagactga	aaacaaatat	tttgagtat	gcttccacca	2460
ggccccctac	cttgtcacca	atacctcaca	ttcctcgaag	cccttacaag	tttcttagtt	2520
cacccttacg	gattcctgga	gggaacatct	atatttcacc	cctgaagagt	ccatataaaa	2580
tttcagaagg	tctgccaaca	ccaacaaaaa	tgactccaag	atcaagaatc	ttagtatcaa	2640
ttggtgaatc	attcgggact	tctgagaagt	tccagaaaat	aaatcagatg	gtatgtaaca	2700
gcgaccgtgt	gctcaaaaga	agtgtctgaag	gaagcaacc	tcctaaacca	ctgaaaaaac	2760
tacgctttga	tattgaagga	tcagatgaag	cagatggaag	taaacatctc	ccaggagagt	2820
ccaaatttca	gcagaaactg	gcagaaatga	cttctactcg	aacacgaatg	caaaagcaga	2880
aatgaatga	tagcatggat	acctcaaaca	aggaagagaa	atgaggatct	caggaccttg	2940
gtggacactg	tgtacacctc	tggattcatt	gtctctcaca	gatgtgactg	tataactttc	3000
ccaggttctg	tttatggcca	catttaatat	cttcagctct	ttttgtggat	ataaaatgtg	3060
cagatgcaat	tgtttgggtg	attcctaagc	cacttgaaat	gttagtcatt	gttatttata	3120
caagattgaa	aatcttgtgt	aaatcctgcc	atttaaaaag	ttgtagcaga	ttgtttcctc	3180
ttccaaagta	aaattgctgt	gcttttatgga	tagtaagaat	ggccctagag	tgggagtcct	3240
gataaccag	gcctgtctga	ctactttgcc	ttcttttgta	gcatataggt	gatgtttgct	3300
cttggtttta	ttaatttata	tgtatatttt	tttaatttaa	catgaacacc	cttagaaaat	3360
gtgtcctatc	tatcttccaa	atgcaatttg	attgactgcc	cattcaccaa	aattatcctg	3420
aactcttctg	caaaaatgga	tattattaga	aattagaaaa	aaattactaa	ttttacacat	3480
tagattttat	tttactattg	gaatctgata	tactgtgtgc	ttgttttata	aaattttgct	3540
tttaattaaa	taaaagctgg	aagcaaagta	taaccatatg	atactatcat	actactgaaa	3600
cagatttcat	acctcagaat	gtaaaagaac	ttactgatta	ttttcttcat	ccaacttatg	3660
tttttaaagt	aggattattg	atagtactct	tgggttttat	accattcaga	tcactgaatt	3720
tataaagtac	ccatctagta	cttgaaaaag	taaagtgttc	tgccagatct	taggtataga	3780
ggaccctaac	acagtatatc	ccaagtgcac	tttctaagt	ttctgggtcc	tgaagaatta	3840
agatacaaat	taattttact	ccataaacag	actgttaatt	ataggagcct	taattttttt	3900
ttcatagaga	tttgtctaata	tgcactctcaa	aattattctg	ccctccttaa	tttggaagg	3960
tttgtgtttt	ctctggaatg	gtacatgtct	tccatgtatc	ttttgaactg	gcaattgtct	4020
atttatcttt	tattttttta	agtcagtatg	gtctaacact	ggcatgttca	aagccacatt	4080
atttctagtc	caaaattaca	agtaatcaag	ggtcattatg	ggtaggcat	taatgtttct	4140
atctgatttt	gtgcaaaagc	ttcaaattaa	aacagctgca	ttagaaaaag	aggcgcttct	4200
ccccccct	acacctaaag	gtgtatttaa	actatcttgt	gtgattaact	tatttagaga	4260
tgctgtaact	taaaataggg	gatattttaag	gtagcttcag	ctagctttta	ggaaaatcac	4320
tttgtctaac	tcagaattat	ttttaaaaag	aaatctggtc	ttgttagaaa	acaaaatttt	4380
attttgtgct	catttaagtt	tcaaacttac	tattttgaca	gttattttga	taacaatgac	4440
actagaaaac	ttgactccat	ttcatcattg	tttctgcatg	aatatcatac	aaatcagtta	4500
gttttttaggt	caagggtcta	ctatttctgg	gtcttttgct	actaagttca	cattagaatt	4560
agtgccagaa	tttttaggaac	ttcagagatc	gtgtattgag	atttcttaaa	taatgcttca	4620

gatattattg	ctttattgct	tttttgatt	ggttaaaact	gtacatttaa	aattgctatg	4680
ttactatttt	ctacaattaa	tagtttgct	attttaaaat	aaattagttg	ttaagagtct	4740
taatggctcg	atgttggtt	ctttgtatta	agtacactaa	tgttctcttt	tctgtctagg	4800
aqaaqataqa	tqaagataa	ctctcctagt	atctcatcc			4839

```
<210> 144
<211> 634
<212> DNA
<213> Homo sapiens
```

<400>	144	cggtgagag	gcagcgaact	catctttgcc	agtacaggag	cttgtgccgt	ggcccacagc	60
		ccacagccca	cagccatggg	ctgggacctg	acggtgaaga	tgttggcggg	caacgaattc	120
		caggtgtccc	tgagcagctc	catgtcgggtg	tcagagctga	aggcgcagat	caccagaag	180
		attggcgtgc	acgccttcca	gcagcgtctg	gctgtccacc	cgagcggtgt	ggcgtgcag	240
		gacagggtcc	cccttgccag	ccagggcctg	ggccctggca	gcacggctct	gctggtggtg	300
		gacaaatgcg	acgaacctct	gagcatcctg	gtgaggaata	acaagggccg	cagcagcacc	360
		tacgaggtcc	ggctgacgca	gaccgtggcc	cacctgaagc	agcaagtgag	cgggctggag	420
		ggtgtgcagg	acgacctgtt	ctggctgacc	ttcgagggga	agcccctgga	ggaccagctc	480
		ccgctggggg	agtacggcct	caagcccctg	agcacctgtg	tcatgaatct	gcgcctgcgg	540
		ggaggcggca	cagagcctgg	cgggcggagc	taagggcctc	caccagcatc	cgagcaggat	600
		caagggcccg	aaataaaqgc	tqttqtaaqc	qaat			634

```
<210> 145
<211> 13500
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,q or c
```

<400>	145						
aagcttcctt	c ttggaattc	caaactaata	aatgagctaa	ctccgcccca	gcccccttagt		60
ccctccctgc	aatccaccta	cctctgcaga	catctttctt	caagggaacct	tgtttgggaa		120
accacacca	gacacatcca	tcatggcgct	tacagccgca	tgggcggtgcg	tccctctgtt		180
tatatggcca	gagccccgcc	tcgtctcgcc	cctttaaaact	tgggtgggcgg	accgagggcg		240
ggctcagacc	aggccccacc	ccgatcagcc	acgtccatcg	ccctgatttc	caggccctcc		300
cagtccctgg	gcgcacgtcc	cggattcctc	ccacgagggg	gcgggctgcg	gccaaaatctc		360
ccgccaggtc	agcggccggg	cgctgattgg	ccccatggcg	gcggggccgg	ctcgtgattg		420
gccagcacgc	cgtggtttta	agcggctcgg	gcggggaccag	gggcttactg	cgggacggcc		480
ttggagagta	ctcgggttcg	tgaacttccc	ggaggcgcaa	tgagctgcat	taacctgccc		540
actgtgctgc	ccggctcccc	cagcaagacc	cgggggcaga	tccagggtgcg	ggggccagcc		600
ctgcgcgtgg	ctggggatga	ggtggtcgtg	gtgatagcct	gtgtccaggc	atccgcgcag		660
ggcgggccct	caaatgacct	caccttctct	cctagggtgat	tctcgggccg	atgttctcag		720
gaaaaaggta	atggcttcgc	ggggctgggg	tggagctcct	tctctttctc	cgggggacccc		780
ttgtccctcc	cctccccctc	cctccccctc	cctccccctc	cctccccctc	cctccccctc		840
ccttccctcc	ccttcccttc	ccctagaagg	accagcacag	cctcctacag	ctcccgcccc		900
gggtgctcct	cccttgaatt	cagtccagga	ggaagtctct	gccctcttct	gcccaggcca		960
agccccctgt	cctgtgtgga	cgccactccc	tccctggagct	ggtgacagct	gcttacagct		1020
tagctgtctt	ccccaccaag	tctcttgaga	aggtggcaac	cagtttgtgc	ccctgtaggc		1080
caggcctttt	tgtacacccc	tattcaatgt	ggctgtttcc	ttctaaggcc	aaggaaacgt		1140
agtgcctttc	taaaccaagg	agtctgaagc	cgtggagcct	ctgctctcct	gaggtgatag		1200
aaccattccc	tgaccggggt	ggggctagtg	agtttcttga	gtaaactacc	cacgcaccat		1260
tctttttgtt	ttgtttttgt	tcttctagag	gtaggatctt	gctatgttgc	ccaggctggt		1320
ctcaaactcc	tgggctcaag	caattctctc	acctcagcct	cccaagtagc	tgggactaca		1380



ggcgtgcacc	ccccccgcct	ccaccagct	aattttat	tatttttata	gagctgggg	1440
cttgctatgt	tgcccaagct	ggtcttgaac	tcttggctc	aagcaatcct	cctacttcag	1500
catcccaaag	tgctgggatt	acagatgtta	gccaccatgc	cctgccccaa	cattctttta	1560
tggccctggg	gatcacttca	gctcaaacc	cttgctcagg	aagatgtggc	tcagagttgg	1620
acttcttgga	cccagaagca	agtgcctttg	acgctgcaca	caaagacttt	ctgaaattaa	1680
tttagaaaag	ctgtatgcc	ggtgtgggtg	cccacgcctt	taatcccagc	gctttggaag	1740
gctgaggtgc	gttgatcact	tgaggttagg	agtttgagac	cacctgggtc	aacgtgggtga	1800
aaccccatct	ctactgaaaa	aaaaaaccaa	aaattatctg	ggcatgggtg	cagcctcctg	1860
taatcccagc	tactcgggag	gttgaggcag	gagaatctct	tgaaccggga	aggcaggggt	1920
tgcatgagc	tgagatcgct	ccactgcact	ctaacttagg	caacagagcg	agactccacc	1980
ccaaaaagaa	agaaagaaaa	actctgaact	ctgggaacaa	ctctgggatg	aggttacttt	2040
ggaatgcagt	cgaggttcc	ctctacatgt	agcctttgct	tctgccttcc	ccactacatc	2100
ttggagaagg	ttactcctcc	cacacttcc	gggaccacct	gagtaccatt	cctggacctc	2160
ttcccatag	agaattctga	cttccaaccc	tctttgtagg	gatattatac	cctgcctgct	2220
ctgcctgct	cttttctggc	tgtgggtggc	tcagtctgca	taccactagg	gacaatgagg	2280
agccaggctt	gttggggagg	ggtctccttc	tccactcct	cccgcctgg	acctcacctg	2340
acctctctc	ctcttgacg	acagagttga	tgagacgcgt	ccgtcgcttc	cagattgctc	2400
agtacaagt	cctgggtgatc	aagtatgcc	aagacactcg	ctacagcagc	agcttctgca	2460
cacatgaccg	gtcagtcct	gccccctgca	gtcctgtcca	gtggaaaatc	acaaggcaca	2520
ggacacactg	ttaggactct	ctttaatggg	gatggttaat	catttgaaca	ttgaatgatt	2580
caaatcagca	cactttccaa	ggtgcttggc	aaggtagcgc	acactctcca	ctccctgggc	2640
tggagccagt	ggttctccac	tgaggggtgat	tttgccgcc	gggtccattt	gacaatgttt	2700
gaagacattt	ctagtgttg	caactggagg	ggggagggga	tgcttttggg	ctttaatgtg	2760
tagaaatcag	ggacactgct	gctaagggtc	ctatggtgca	gaggacggcc	cccatgcaag	2820
aacgagctgg	ccccaaatgt	caggagcctg	ccagtgttca	gaaactctgc	cgtaggggtt	2880
cagcttcaca	caggctgcag	actggtttgg	tttgccctgc	acgttgattt	ttgtttaatt	2940
ttttagtgt	ccgttggttg	ctggctcccc	cgtcacctgg	cagccttcac	gcttccctgt	3000
tttatgtgta	gctgtttgag	ctcgctggac	atttccgcct	gcaacctcag	tttgggagtt	3060
aaattcactt	ccttggcagc	agatgtgggc	ccgatgtttc	tgagcctgag	acgctttgct	3120
tggctcctctg	gacttgtcca	cctgggcacc	cagtggcaaa	gccatgctgt	gccacacatt	3180
atagggcttc	agcctcagag	ccctggctgg	gagctgtatc	cgagagttgc	tatggctgtg	3240
cagagaacag	atccaccggg	cgtgtggcct	tcgggtgggag	ctgaggggct	cctgaagcca	3300
gatgctggtg	gagtggaggg	tgcttggggc	ttggagttgc	atgtgggaat	ttaaccgcac	3360
cttcgtgacc	atgctgtctg	atgtaggtca	tttacttttc	caaatttgct	tcctcattcc	3420
taagatgcga	tgtccacggc	acaggggtgt	gttacacctg	gtggggacag	ggaaagcaga	3480
ggaggtcact	tcgttccagc	tgttggaagt	acaacttctg	gagtcagtca	gatccgggat	3540
taaatatgag	ttctgcccg	gtgtcacaag	tcatctctaa	cacgggccac	agaggccaag	3600
gctgggccag	cagcattgat	ggctcgagag	gctgcccttg	caggggccac	agctggcctc	3660
ccacctgccc	tcactttgtc	tttctctgtt	tagggaggga	agagggaatt	taaaatgccc	3720
aaaatactgt	ttcacacatt	ctttccagaa	ctcgaagtag	gattatagca	aggtaataac	3780
gaaacaatag	ttgtaaagta	tgtttttttg	tttggttgtt	gtttgttttt	gggacaggg	3840
ctctctctgt	caccaggtct	ggagtgcagt	ggctcaatca	tagcttactg	ttacgtgacc	3900
ccaaaccctt	gggtcaagt	gatcgtccca	cctcagcccc	ctgagcaggt	gggactacag	3960
gcgcacacca	ccacaccag	ttaattttta	catttttttc	acacagtgtc	tcgctgtgtt	4020
accaggtctg	gtctcgaact	cctgagttca	agtgatectc	ccgtcttggc	ctcccaaag	4080
attacgggca	tgagctgctg	tgtctggcca	gaatacagga	ttttaaaaat	ttatgttttg	4140
caacataatt	aatataaaga	caaataaac	ccaggccag	ttctagttat	tcattcttct	4200
gaattttaaa	aggaaacatt	tggctggccc	ctaattggtat	catgggcct	ggtacctgat	4260

gaagttggcc	tagtctgccc	ccagctcctg	aacagtggaa	gagtttttag	tctcattgag	4320
ctttgtactg	gacattacta	atttctaata	caaagcatca	agtgaagtgg	cttgataaaa	4380
taactgggtt	tcctctggga	ggctaaggcg	ggtggatcac	ttaaaagtta	ggagtctgag	4440
accagcctgg	ccaacatggt	gaaaccccat	gtctgctaaa	aatacaaaaa	ttagctgggt	4500
gtgatgggtg	gtggccagta	gtcccagcta	ctcttggtgc	tgaggtggga	gaatcgcttg	4560
agacccttga	gaattgggag	gtagagattg	cagggagccg	agatggcgcc	actgcactcc	4620
agcctgggtg	acagagcaag	actctgtttc	ataaaaaata	aataaataac	tggttttctg	4680
gacgagggcc	tttcccatag	gtgctaactt	ctcaaagccc	ggctgggtga	acactgagcc	4740
tgctttgcag	gtagcagggt	gtcacgacag	tgccattccc	tggccctgct	attgtggctt	4800
ctggcctccc	tggccctgct	cacgctctgg	ctttctcttc	ccaggaacac	catggaggcg	4860
ctgcccgcct	gcctgctccg	agacgtggcc	caggaggccc	tgggcgtggc	tgtcataggc	4920
atcgacgagg	ggcagtttgt	aagttggctt	gtcttggtat	cactcttctt	gccttccgct	4980
gtgtcctccc	gttttccctc	gctgacttgg	aagttatctg	anncttttag	taaaataaca	5040
aggttaaata	gctacaacta	gtgttggaat	accctctgaa	ggcccttttc	tagtttccct	5100
gtcatagtgt	catagtcttg	taggattcgt	tttacttttt	tttttttttt	ttttgagacg	5160
gagttttgct	cttggtgccc	aggccggagt	acgatggcac	aatctcaccg	caaactttgc	5220
ttcctgggtt	caagcaattc	tctcctgtct	cagcctcccg	agtagctggg	attacaggca	5280
tgcgccacca	cgcccagcta	attttatatt	tttagtagag	atggggtttc	tccatggttg	5340
tcaagctggg	ctcaaactcc	caacctcagg	tgatccgccc	cgccttgaa	tcccaaagcg	5400
ctgggattac	aggcatgagc	taccacacct	ggccattgta	ccttttttaa	aatacatata	5460
tctattttact	ggcaagatgc	agtgactcac	acctgtaate	tcagcctgtg	ggaggccaag	5520
gtggacagat	cacttgagcc	caggagtgtg	agactcacct	gggcaacata	gtaaaacccc	5580
atctctacca	aaaaaaaaaa	gaaattagcc	agtcatagca	gcgcacacct	gtggtccctg	5640
ctactcagga	ggctgaggca	gaaggatgga	gcctgggagg	tcgaggctgc	agtgagtggg	5700
gatagcacca	ctgcactcca	gcccgggcga	caaggccaga	ccctgtctca	aaaaaaaaag	5760
ggggagggtg	ggagtaatgt	ttggtttgcc	tcatggttcc	ttttgcttgt	ttcttatacg	5820
tttattttct	tggtgttgaa	gtaccttttt	tagtagtttt	tgcagccagg	aggtatagat	5880
gggaagctgc	cagtctttgt	atggaaatct	ttcttttgtc	atctagttta	agctgggcag	5940
caagaggtag	gttgatcttg	tgtgggtttg	ggtttttttt	tttttttgag	acggagtctt	6000
actctgtcgc	ccaggctgga	gtgcaatggt	gtgatctcgg	ctcactgcaa	cctctgccac	6060
ccggattcaa	gcgattttcc	cacctcgcct	cccaagtagg	tgggattaca	ggcaccacc	6120
atcatgcctg	gctaattttt	gtagagacaa	gggttcacca	tgttggttag	gctggtcttg	6180
aactcctgac	ctcaggtgat	ccaccgcctt	tggcttccca	aagtgttgga	attacaggca	6240
tgagccgcgg	tgcccggcct	tttttatatt	tatttttttt	gagatggagt	cttgctctgt	6300
tgccctggct	ggagtggagt	gacgtgatct	tagctcacag	caacctccgc	cttttgggtt	6360
caagcagttc	tgccctcatcc	ttccgggtag	ctgggatcac	aggtgcgtgc	cacatgcgta	6420
mtcattttatg	tatttttaaat	agagatgggg	tttcaccatg	ttggccagct	ggtctggaac	6480
tcctgacctc	aggatgatccg	catgcctcag	ctcccaaagt	gctgggatta	caggcgtgaa	6540
ccacgcctgg	tcttgatctt	gttgctttga	aaagtagcag	cgtggtcat	tgtgtttttg	6600
ctcagaggaa	ggccgccatc	tctctaattg	tacctctggt	caggatttct	atctgttctc	6660
tctcagcaca	atgtgtgtag	gggaagcttt	gtttcattta	tcctgcttta	tagctggtgt	6720
gccttttcat	ttctggggaa	ggaatgaagc	cattatcact	tcaggatttt	ctctcctcat	6780
ccatctctga	ggtgttctgg	gttccatctt	ccagagtgtg	ttttgtttca	gtgactattt	6840
ttacatctgc	tgctctaatt	catcatgctc	cgttttggtt	gacaagttac	tgttgggtta	6900
tttttaaat	tatgctgttc	cttccattat	gttccctgaa	atcttttctt	agacttttcc	6960
agatttttct	atttcctcag	gaacatatcc	tgtgggttag	tttctgggtt	attttctggt	7020
atcttagttt	tctttcctct	gctttggaga	ttttattttt	gttagtttat	cacaaagaat	7080

gaaactgaaa	ctctctccaa	gggggttttagc	agacttgacc	tcttaggtac	ttttaggggtt	7140
gcctcgaagt	acacaatgtg	gtgggtttgat	ataaacataa	caggaattta	tttctcgctc	7200
acagaccccc	tacgtgggtc	caggccgggt	gatggggagg	ccgcccacga	ggcggccttag	7260
gtcgccctgg	ctggctgtat	acagacacgg	aggggaagag	acgtggcgga	gcccctgggt	7320
gtgaggtttt	catgggcttg	accagaagct	gcaaacgtca	cttctgctga	tctttcaaag	7380
actagaacct	gggcacaggg	ccacctatac	gttttagtata	cttagtccag	ttcgtttttt	7440
gtttgttttt	aaaaacagtc	ttgctctgtg	gcccaggctg	gagtgcagtg	gcgcagtctc	7500
ggctcactat	aacctccatg	tcccagggtc	aagtgattct	cccgcctcag	cctcctgagt	7560
agctgggatt	acaggcttct	gccaccatgc	ccagctaacc	ttttgtattt	ttagtagaga	7620
cggggtttca	tcatgttgac	cgggctggtc	tggaaactct	aacctcaggt	gatctgcctg	7680
cctcagcctc	ccaaagtgtc	gggattacag	cgtgagccac	cacgcctggc	cacacttagt	7740
ctagtcttat	acctggagg	aagaataaat	gagtttgttt	ggtgagtgtc	tcaaggtctc	7800
taccgcctc	gcctcccagc	acagagccag	gccgctctgg	cctgaatacc	ctgcccggac	7860
gtcacagggc	ctgtccccct	aaaaggccag	tctgccttc	ctggttctgt	tcttgcccaa	7920
cattctgtat	gagtcacagc	tgcaaattcc	attcccgtgg	ggaggctgac	gggtcccttc	7980
ccctgtgcgg	ggcatctgcc	ctgtggagtt	gaggctgcca	gtgtccgctc	tgggttcccg	8040
accacccggc	agctggcatc	tcttccccgc	ttgggtatgg	ccattccgtt	tctgaccttc	8100
agaggtgctc	ccctgagcac	ccccatgcct	ctgcgtacgt	ggagacgtcg	ttgttgctgc	8160
cccgtgcttg	agggactcct	ggcgagaaa	tgagcccagg	ctgggaatag	ggctgcagct	8220
gttctctttt	gtcccaaac	tgtggcctca	gaatgcattc	agggattttg	catcagcttt	8280
ggggacatgg	ccctctcaga	acaaggaagc	ttcagctttg	gcaaggctct	ccctccttca	8340
gacctgcgc	tgtgagttgt	tcaatagctc	tgttctcctg	gctctgcgta	aaccttggtg	8400
acagaggctg	accagacccc	ccgaggcaga	aacctttccc	ttctccttcc	tcgacatcca	8460
aatgccctga	gtcaggagcc	agcgtatgaa	gtcctgtccc	ctgttcagcc	tgtaggaggg	8520
atttcteggt	ctacttcctc	cctggccagc	aagtaaaact	tgagttcatt	cagtgagtat	8580
ttattacacc	ctaccagac	atcagcattc	tgccctggcc	tctgtgtgcc	cttgttctct	8640
tcaagaagtt	ccgggtcacc	agcctgacca	acatggagaa	actccgtctc	tactaaaaat	8700
acaaaaatta	gccgggctg	gtggcgcact	gcctgtaatc	ccagctactt	gggaggctga	8760
ggcaggagaa	tcgcttgaac	ccggtaggcg	aagggtgcag	tgagccaaga	tcgccccatt	8820
gactccaag	cctgggcaac	aacaagagca	aaactcagtc	tcaaaacaaa	acaaaacaaa	8880
agaagttcag	ggtcttccca	ttgcaagcag	ttctagatcg	aggagagggg	ttcctagcat	8940
gggaccagc	agaaggactg	tcttctgctc	cttcattgtc	tacgtggaca	gtggatgaag	9000
ctcagccgaa	cctgccttgt	tcccgttttc	tgggtcagca	gggaaagcct	ttcacagagt	9060
agccaccgtg	ccatcctgag	gaaggccctg	ggtcagaagc	ttctgtgctt	ctttgtaccc	9120
cgggcaagac	acacaggtgc	tcacactgct	ctgtagaaac	tgttggcatc	caagagagac	9180
tcacctggaa	atctctggaa	aacctgaagc	tcttagctgg	gggtgctgtg	cttcagatgc	9240
tggtgggtgg	tgggcacctt	tgcattcaaca	gctgcacagt	gtgtgggtgg	cttgagggtt	9300
cgcttgga	tagtaggagc	tctgatttat	tttttttaaac	tttttttctg	gctgggcagg	9360
tggctcacac	ctgtaatccc	agcacttttg	aaggcctagg	cgggcggatc	acttgaggct	9420
aggagtttga	gaccagccag	gccaacatgg	tgaaccccca	tctctactaa	aaatacaaaa	9480
attagccaag	cgtgggtggc	cacacctgta	attccagcta	cttgggaggc	agaggcacia	9540
gaattgcttg	aacctgggag	gcagaggttg	cagtgcagca	agattatgcc	actgcactcc	9600
agcctggatg	acagagcgag	actctgtctc	aaaaaaaaata	gacaaagcca	ggcgagtggt	9660
ctcatgcttg	taatcccaac	actttggggg	gccgaggtgg	gtgaatcacg	aggtcaggag	9720
atcgagacca	tcttggttaa	cacgggtgaa	ccccgtctct	actgaaaata	caaaaaaatt	9780
agccaggcgt	ggtgggtggg	acctgtagtc	tcagctactc	gggaggctga	ggcaggagag	9840
tggcgtgaac	ccaggaggcg	gagcttgtag	tgagctgaga	tcacgccact	gcactccagc	9900
ctgggcgaca	gagcgagact	ccgtctcaaa	aaaaaaaaaaa	aaatagacct	ttttgtgttt	9960

tctgtttctac	tacacaagta	atacagggttg	agtatttcctt	aacctaataatg	cctggggacca	10020
gaagtgtttc	ggattttcagg	ttttcgaata	tttgcatgtt	cataatataa	tgagaccttg	10080
ggaatgagcc	ccaagtgtaa	acacaaaatc	cattttatgtt	ttatagacat	cttaggcaca	10140
tagcctgaga	gtaattttat	gtattttagta	atttgggcgt	gagccacagt	ttttgactgt	10200
gacctgtccc	atgaggtcag	gtgtggaatt	ttccacttgt	ggtgggcgct	caaaaagttt	10260
cagatttttg	agcctttcag	gttagagaca	tgcaatctat	aataagttta	atctaggaaa	10320
agttagggtc	tggcacagag	gctcacgtct	gtgatccag	cactttggga	ggctgaggca	10380
ggcagatcac	tggaagtgt	ggacgggttg	ggaagtgccg	ggtgcaagaa	ccaagctctt	10440
tgactatgga	cctcagcctg	aggttgggtca	agaggtggag	tgagtggggg	ctgaggacct	10500
tcacctgaa	accctgatgc	aggagagtct	ggggtctgcc	ttctaccctc	atgtggcggg	10560
tgaaggagca	aggtttctcaa	ctcaggagg	ttcttccctt	ctccattccc	accaggggga	10620
catctcacia	caactagaaa	caattttgtc	gcagctgggg	ggtgggaggt	gtgttccttg	10680
catctatcta	atgggtgggg	gagaggagcg	cagcccaaca	ccctacagt	cacaggacac	10740
agcgagatcc	ggcctcaaac	tggcagccat	ggcagcgta	gccctccagg	gggcgcgccc	10800
tggcgaggt	ggtgtgccg	cccacagctc	cttgagggt	gggagctgca	ttttcgtgac	10860
atgtcatgag	tcctcagaga	aaaagaggga	acgagtgcac	ggtggggagg	ggcctggcg	10920
tgctggagtc	tctgggtttc	cttctccaga	gacccctgca	gtcagctgag	cgcaatcagt	10980
cacgttgggc	tttgcttgga	tctcactgga	atttttcgag	ccaccctta	gtcctcacct	11040
tgctaagccc	tcacgtctca	ataacctcaa	acctcagtag	ctgggctgag	aaagcctgag	11100
tggcctggg	agagagaccc	tgcacccaag	gacaaggaca	tcctgtctc	acccaaccca	11160
aaggccagtc	tggacatatg	aactcaacca	gctaagagt	atatgattga	ttgatgagaa	11220
tcaccagagc	acttgccaga	gtttcagctt	ctccctgggc	caaagtgaag	tttgctttac	11280
acagtaaatg	tgctctgtgc	aggtcctgaa	tttagaaggc	tgtgctgtgt	catcctgtct	11340
tgtaaatggc	cagtaggacc	ccgcctctt	ctcaaggcac	attaccctgt	taaaacgggg	11400
gaggcaagag	cacaaagcgc	ccacctattc	accgaagagc	atgtatataa	cttagggcct	11460
tccatcctta	aacaacagga	ccttccttgc	tcttacggaa	aaggaaacag	gttcagagac	11520
gttaattcat	tgccaagggtc	acacagataa	tgggtccagc	gaagagtgg	gtccgagccc	11580
aaggcagcag	gcctttggcc	actgcagtg	taaacagcac	agctggtgtg	gaagtccggt	11640
gctgagtcct	gggtacctgg	actcggagg	aagctggctg	cagggggaag	gggctgcgca	11700
gttggtgatg	tacctgtcgt	ctgctggggg	gcgtgcgggt	ggacacagtc	ccccggcctg	11760
gggagcctcg	tgggagaatt	aagagttact	ccgggccaaa	tggccggagt	tgtcagatct	11820
ggcagcgtct	tcgctggggc	tccagggagc	tgctgctggg	gtggaagctc	tcacactctt	11880
tctccacgtg	ccctttccag	ttccctgaca	tcatggagtt	ctgcgaggcc	atggccaacg	11940
ccgggaagac	cgtaattgtg	gctgcactgg	atgggacctt	ccagagggaag	gtaaggcgct	12000
tgatccaggt	ctggagctgg	gattgaggag	ggcaagaggc	ttctggatgg	gcacagagac	12060
accagctctg	ggtgaccagg	gctcagccac	cacagggtta	cggccgagct	gctcaggctt	12120
ggctgagcca	agggactcca	tgggtctgtg	agactgcgtg	ccatctgttg	tggcaggtgc	12180
tttgaattgg	caaagggaca	gagccgggca	tgggtgctctg	ggggttgggg	gaaggactaa	12240
ggtcagagca	aactctcctg	gcttcagtag	ttgtgaatca	gagggtttta	aagaaaaacc	12300
cacctggtaa	ggtgctgagc	gccctctgtc	tttccatggg	agcacagcca	tttggggcca	12360
tcctgaacct	ggtgccgctg	gccgagagcg	tgggtgaagct	gacggcggtg	tgcatggagt	12420
gcttccggga	agccgcctat	accaagaggc	tcggcacaga	gaaggaggta	gctccacctg	12480
ccttccctgc	aggccggcgg	ggtgggggta	tggctctgcc	tccttccctgt	cctggccctt	12540
cacccatccc	ctgtccctgc	ggccaggtcg	aggtgattgg	gggagcagac	aagtaccact	12600
ccgtgtgtcg	gctctgtctac	ttcaagaagg	cctcaggcca	gcctgccggg	ccggacaaca	12660
aagagaactg	cccagtgcc	ggaaagccag	gggaagccgt	ggctgccagg	aagctctttg	12720
ccccacagca	gattctgcaa	tgcagccctg	ccaactgagg	gacctgcaag	ggccgcccgc	12780

tccttctctg	ccactgccgc	ctactggacg	ctgccctgca	tgctgcccag	ccactccagg	12840
aggaagtgcg	gaggcgtgga	gggtgaccac	accttggcct	tctgggaact	ctcctttgtg	12900
tggctgcccc	acctgccgca	tgctccctcc	tctcctaccc	actggtctgc	ttaaagcttc	12960
cctctcagct	gctgggacga	tcgcccaggc	tggagctggc	cccgttgggt	ggcctgggat	13020
ctggcacact	ccctctcctt	ggggtgaggg	acagagcccc	acgtctgtga	catcagcctg	13080
cttcttcccc	tctgcggtt	tactgctga	gtttctgttc	tccctgggaa	gcctgtgcca	13140
gcacctttga	gccttggccc	acactgaggc	ttaggcctct	ctgcctggga	tgggctccca	13200
ccctcccttg	aggatggcct	ggattcacgc	cctcttgttt	ccttttgggc	tcaaagccct	13260
tctacctct	ggtgatggtt	tccacaggaa	caacagcatc	tttcaccaag	atgggtggca	13320
ccaaccttgc	tgggacttgg	atcccagggg	cttatctctt	caagtgtgga	gagggcaggg	13380
tccacgcctc	tgctgtagct	tatgaaatta	actaattgaa	aattcactgg	ttggtggacg	13440
cacatttctc	tttcacctgg	gtttccctgg	gtctcatgga	cagctccaac	ttgatttggg	13500

<210> 146  
 <211> 1160  
 <212> DNA  
 <213> Homo sapiens

<400> 146	cctccgacag	cctctccaca	ggtaccatga	aggtctccgc	ggcacgcctc	gctgtcatcc	60
	tattgtctac	tgccctctgc	gctcctgcat	ctgcctcccc	atattcctcg	gacaccacac	120
	cctgctgctt	tgectacatt	gcccgcctac	tgccccgtgc	ccacatcaag	gagtatttct	180
	acaccagtgg	caagtgtctc	aaccagcag	tcgtctttgt	caccgaaaag	aaccgccaag	240
	tgtgtgccaa	cccagagaag	aatgggttc	gggagtacat	caactctttg	gagatgagct	300
	aggatggaga	gtccttgaac	ctgaacttac	acaaatttgc	ctgtttctgc	ttgctcttgt	360
	cctagcttgg	gaggcttccc	ctcactatcc	tacccaccc	gctccttgaa	gggccagat	420
	tctgaccacg	acgagcagca	gttacaaaa	ccttccccag	gctggacgtg	gtggctcagc	480
	cttgtaatcc	cagcactttg	ggaggccaag	gtgggtggat	cacttgaggt	caggagtctg	540
	agacagcctg	gccaacatga	tgaaacccca	tgtgtactaa	aaatacaaaa	aattagccgg	600
	gcgtggtagc	gggcgcctgt	agtcccagct	actcgggagg	ctgaggcagg	agaatggcgt	660
	gaaccgggga	gcggagcttg	cagtgaagcg	agatcgcgcc	actgcactcc	agcctgggcg	720
	acagagcgag	actcgtctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaataca	aaaattagcc	780
	gcgtggtggc	ccacgcctgt	aatcccagct	actcgggagg	ctaaggcagg	aaaattgttt	840
	gaaccagga	ggtggaggct	gcagtgaagc	gagattgtgc	cacttcactc	cagcctgggt	900
	gacaaagtga	gactccgtca	caacaacaac	aacaaaaagc	ttccccact	aaagcctaga	960
	agagcttctg	aggcgtctgt	ttgtcaaaa	gaagtctcta	ggttctgagc	tctggctttg	1020
	ccttggcttt	gcaagggctc	tgtgacaagg	aaggaagtca	gcagcctct	agaggcaagg	1080
	aaggaggaga	cactgcactc	ttaagcttcc	gccgtctcaa	cccctcacag	gagcttactg	1140
	gcaaaccatga	aaaatcgggg					1160

<210> 147  
 <211> 1452  
 <212> DNA  
 <213> Homo sapiens

<400> 147	ttgggttctg	ctgggtgtag	gtccttggct	ggtcgggctc	cggtgttctg	cttctccccg	60
	ctgagctgct	gcctggtgaa	gaggaagcca	tggcgtcccg	agtcaccagg	aactcgaaaa	120
	ttaatgctga	aaataaggcg	aagatcaaca	tggcaggcgc	aaagcgcgtt	cctacggccc	180
	ctgctgcaac	ctccaagccc	ggactgaggc	caagaacagc	tcttggggac	attggttaaca	240
	aagtcaagtga	acaactgcag	gccaaaatgc	ctatgaagaa	ggaagcaaaa	ccttcagcta	300
	ctggaaaagt	cattgataaa	aaactaccaa	aacctcttga	aaaggtacct	atgctggtgc	360
	cagtgccagt	gtctgagcca	gtgccagagc	cagaacctga	gccagaacct	gagcctgtta	420
	aagaagaaaa	actttcgctt	gagcctatct	tgggtgatac	tgctctcca	agcccaatgg	480
	aaacatctgg	atgtgccctt	gcagaagaag	acctgtgtca	ggctttctct	gatgtaattc	540

ttgcagtaaa	tgatgtggat	gcagaagatg	gagctgatcc	aaacctttgt	agtgaatatg	600
tgaaagatat	ttatgcttat	ctgagacaac	ttgaggaaga	gcaagcagtc	agacccaaat	660
acctactggg	tcgggaagtc	actggaaaca	tgagagccat	cctaattgac	tggttagtac	720
aggttcaa	gaaattcagg	ttgttgcagg	agaccatgta	catgactgtc	tccattattg	780
atcggttcat	gcagaataat	tgtgtgcca	agaagatgct	gcagctggtt	ggtgtcactg	840
ccatgtttat	tgcaagcaaa	tatgaagaaa	tgtaccctcc	agaaattggg	gactttgctt	900
ttgtgactga	caacacttat	actaagcacc	aaatcagaca	gatggaaatg	aagattctaa	960
gagctttaaa	ctttggtctg	ggtcggcctc	tacctttgca	cttccttcgg	agagcatcta	1020
agattggaga	ggttgatgtc	gagcaacata	ctttggccaa	atacctgatg	gaactaacta	1080
tgttggacta	tgacatgggtg	cactttcctc	cttctcaaat	tgacagcagga	gctttttgct	1140
tagcactgaa	aattctggat	aatgggtgaat	ggacaccaac	tctacaacat	tacctgtcat	1200
atactgaaga	atctcttctt	ccagttatgc	agcacctggc	taagaatgta	gtcatggtaa	1260
atcaaggact	tacaaagcac	atgactgtca	agaacaagta	tgccacatcg	aagcatgcta	1320
agatcagcac	tctaccacag	ctgaattctg	cactagttca	agatttagcc	aaggctgtgg	1380
caaagggtga	acttgtaaac	ttgagttgga	gtactatact	ttacaaacta	aaattggcac	1440
atgtgcatct	gt					1452

<210> 148  
 <211> 1658  
 <212> DNA  
 <213> Homo sapiens

<400> 148	ctctctctct	atctctctca	gaatgacaat	tctaggtaca	acttttggca	tggttttttc	60
tttacttcaa	gtcgtttctg	gagaaagtgg	ctatgctcaa	aatggagact	tggaagatgc		120
agaactggat	gactactcat	tctcatgcta	tagccagttg	gaagtgaatg	gatcgcagca		180
ttcactgacc	tgtgcttttg	aggaccacga	tgtcaacacc	accaatctgg	aatttgaaat		240
atgtggggcc	ctcgtggagg	taaagtgcct	gaatttcagg	aaactacaag	agatatattt		300
catcgagaca	aagaaattct	tactgattgg	aaagagcaat	atatgtgtga	aggttggaga		360
aaagagtcta	acctgcaaaa	aaatagacct	aaccactata	gttaaacctg	aggctccttt		420
tgacctgagt	gtcatctatc	gggaaggagc	caatgacttt	tggttgacat	ttaatacatc		480
acacttgcaa	agaagtatg	taaaagtttt	aatgcatgat	gtagcttacc	gccaggaaaa		540
ggatgaaaac	aaatggacgc	atgtgaattt	atccagcaca	aagctgacac	tcctgcagag		600
aaagctccaa	ccggcagcaa	tgtatgagat	taaagttcga	tccatccctg	atcactattt		660
taaaggcttc	tggaagtgaat	ggagtccaag	ttattacttc	agaactccag	agatcaataa		720
tagctcaggg	gagatggatc	ctatcttact	aaccatcagc	attttgagtt	ttttctctgt		780
cgctctgttg	gtcatcttgg	cctgtgtgtt	atggaaaaaa	aggattaagc	ctatcgtatg		840
gccagtcctc	cccgatcata	agaagactct	ggaacatctt	tgtaaagaaac	caagaaaaaa		900
tttaaagtgtg	agtttcaatc	ctgaaagttt	cctggactgc	cagattcata	gggtggatga		960
cattcaagct	agagatgaag	tggaaggttt	tctgcaagat	acgtttcctc	agcaactaga		1020
agaatctgag	aagcagaggc	ttggagggga	tgtgcagagc	cccaactgcc	catctgagga		1080
tgtagtcgtc	actccagaaa	gctttggaag	agattcatcc	ctcacatgcc	tggtcgggaa		1140
tgtcagtgca	tgtgacgccc	ctattctctc	ctcttcagag	tccttagact	gcagggagag		1200
tggaagaat	gggcctcatg	tgtaccagga	cctcctgctt	agccttgggg	ctacaaacag		1260
cacgctgccc	cctccatttt	ctctccaatc	tggaatcctg	acattgaacc	cagttgtctca		1320
gggtcagccc	attcttactt	ccctgggatc	aaatcaagaa	gaagcatatg	tcacatgttc		1380
cagcttctac	caaaaccagt	gaagtgtgaag	aaaccagac	tgaacttacc	gtgagcgaca		1440
aagatgattt	aaaagggaag	tctagagttc	ctagtctccc	tcacagcaca	gagaagacaa		1500
aattagcaaa	acccactac	acagtctgca	agattctgaa	acattgcttt	gaccactctt		1560
cctgagttca	gtggcactca	acatgagtca	agagcatcct	gcttctacca	tgtggatttg		1620
gtcacaaggt	ttaagggtgac	ccaatgattc	agctattt				1658

<210> 149  
<211> 2206  
<212> DNA  
<213> Homo sapiens

<400> 149  
ctagtctttc agccttcagg ctgttttttg cttgaagctc tcttggcctc ctagtttcta 60  
cctaatacatg tccctgggtg aggccatcag cctctggaat gaaggggtgc tggcagcgga 120  
caagaaggac tggaaggagag ccctggatgc cttcagtgcc gtccaggacc cccactccc 180  
gatttgcttc aacattggct gcatgtacac tatcctgaag aacatgactg aagcagagaa 240  
ggcctttacc agaagcatta accgagacaa gcacttggca gtggcttact tccaacgagg 300  
gatgctctac taccagacag agaaatatga tttggctatc aaagacctta aagaagcctt 360  
gattcagctt cgagggaacc agctgataga ctataagatc ctggggctcc agttcaagct 420  
gtttgctgtg gaggtgttat ataacattgc tttcatgtat gccaagaagg aggaatggaa 480  
aaaagctgaa gaacagttag cattggccac gagcatgaag tctgagccca gacattccaa 540  
aatcgacaag gcgatggagt gtgtctggaa gcagaagcta tatgagccag tggatgatccc 600  
tgtgggcaag ctgtttcgac caaatgagag acaagtggct cagctggcca agaaggatta 660  
cctaggcaag gcgacggctg tggcatctgt ggtggatcaa gacagtttct ctgggtttgc 720  
ccctctgcaa ccacaggcag ctgagcctcc acccagaccg aaaaccccag agatcttcag 780  
ggctctggaa ggggaggctc accgtgtgct atttgggttt gtgcctgaga caaaagaaga 840  
gctccaggtc atgccaggga acattgtctt tgtcttgaag aaggggcaatg ataactgggc 900  
cacggcatg ttcaacgggc agaaggggct tgttcctgc aactacctg aaccagttga 960  
gttgcgatc caccctcagc agcagcccca ggaggaaagc tctccgcagt ccgacatccc 1020  
agtcctcct agttccaaag cccctggaaa accccagctg tcaccaggcc agaaacaaaa 1080  
agaagagcct aaggaagtga agctcagtg tcccatgccc tacacactca aggtgacta 1140  
caagtacacg gtagtcatga agactcagcc cgggctcccc tacagccagg tccgggacat 1200  
gggtgtctaag aaactggagc tccggctgga acacactaag ctgagctatc ggctcgga 1260  
cagcaatgag ctgggtgccc tttcagaaga cagcatgaag gatgcctggg gccagggtgaa 1320  
aaactactgc ctgactctgt ggtgtgagaa cacagtgggt gaccaaggct ttccagatga 1380  
acccaaggaa agtgaaaaag ctgatgctaa taaccagaca acagaacctc agcttaagaa 1440  
aggcagccaa gtggaggcac tcttcagtta tgaggctacc caaccagagg acctggagtt 1500  
tcaggaaggg gatataatcc tgggtgttatc aaaggtgaat gaagaatggc tgggaagggga 1560  
gtgcaaaggg aaggtgggca ttttcccaa agtttttgtt gaagactgcg caactacaga 1620  
tttgaaagc actcggagag aagtctagga tgtttcaca actacaaagc tgaagaaaat 1680  
gaagccctat tacttgtttg taagatttag cacccttctg ctgtatactg tactgagaca 1740  
ttacagtttg gaagtgttaa ctatttatc cctgttaaaa tttaacctac tagacaatga 1800  
tgtgagtacc caggatgatt tcctggggca cagtgggtga ggagatggg acaggtgaat 1860  
ggaggagtta ggggagagga aaagtggatg gaagtgtctg gaaagggcac gagagagtct 1920  
tccaggtact gatcctgttt cttgctctga gtgctagcta gccagctgtg ttcacactgt 1980  
aaacattcat caagctgtac atttggtgca cttttctgtg tcataaccaca ataaaaaaaa 2040  
acctatcatc atcttacaaa aacaagacac ccaagtccag gcccaaggag taagtacaaa 2100  
tattcctgtt tctgaacctat tactgtaatt ggctcttaag gcttgaagta accttatagg 2160  
ttactcataa ggcatataca aataaacttg tttgttttct tttttc 2206

<210> 150  
<211> 2798  
<212> DNA  
<213> Homo sapiens

<400> 150  
gccctctccc acagcggagt ccaaaacagg cctaccagtc agttcttatt tctattgggt 60  
gtttccatgc tccaccatgt taagagctaa gaatcagctt tttttacttt cacctcatta 120  
cctgaggcag gtaaaagaat catcaggctc caggctcata cagcaacgac ttctacacca 180

gcaacagccc	cttcacccag	aatgggctgc	cctgggctaaa	aagcagctga	aaggcaaaaa	240
cccagaagac	ctaatatggc	acaccccgga	agggatctct	ataaaacct	tgtattccaa	300
gagagatact	atggacttac	ctgaagaact	tccaggagtg	aagccattca	cacgtggacc	360
atatactacc	atgtatacct	ttaggccctg	gaccatccgc	cagtatgctg	gttttagtac	420
tgtggaagaa	agcaataagt	tctataagga	caacattaag	gctggtcagc	agggattatc	480
agttgccttt	gatctggcga	cacatcgtgg	ctatgattca	gacaaccctc	gagttcgtgg	540
tgatgttgga	atggctggag	ttgctattga	cactgtggaa	gataccaaaa	ttctttttga	600
tggaattcct	ttagaaaaaa	tgtcagtttc	catgactatg	aatggagcag	ttattccagt	660
tcttgcaaat	tttatagtaa	ctggagaaga	acaagggtga	cctaaagaga	aacttactgg	720
taccatccaa	aatgatatac	taaaggaatt	tatggttcga	aatacataca	tttttcctcc	780
agaaccatcc	atgaaaatta	ttgctgacat	at ttgaatat	acagcaaagc	acatgccaaa	840
atttaattca	atttcaatta	gtggatacca	tatgcaggaa	gcaggggctg	atgccattct	900
ggagctggcc	tatactttag	cagatggatt	ggagtactct	agaactggac	tccaggctgg	960
cctgacaatt	gatgaatttg	caccaagggt	gtctttcttc	tggggaattg	gaatgaattt	1020
ctatatggaa	atagcaaaga	tgagagctgg	tagaagactc	tgggctcact	taatagagaa	1080
aatgtttcag	cctaaaaact	caaaatctct	tcttctaaga	gcacactgtc	agacatctgg	1140
atggtcactt	actgagcagg	atccctacaa	taatattgtc	cgtactgcaa	tagaagcaat	1200
ggcagcagta	tttgagggga	ctcagtcctt	gcacacaaat	tcttttgatg	aagctttggg	1260
tttgccaact	gtgaaaagtg	ctcgaattgc	caggaacaca	caaatcatca	ttcaagaaga	1320
atctgggatt	cccaaagtgg	ctgatacctg	gggaggttct	tacatgatgg	aatgtctcac	1380
aaatgatgtt	tatgatgctg	ctttaaagct	cattaatgaa	attgaagaaa	tgggtggaat	1440
ggccaaagct	gtagctgagg	gaataacctaa	acttcgaatt	gaagaatgtg	ctgcccgaag	1500
acaagctaga	atagattctg	gttctgaagt	aattgttgga	gtaaataagt	accagttgga	1560
aaaagaagac	gctgtagaag	ttctggcaat	tgataatact	tcagtgcgaa	acaggcagat	1620
tgaaaaactt	aagaagatca	aatccagcag	ggatcaagct	ttggctgaac	attgtcttgc	1680
tgactaacc	gaatgtgctg	ctagcggaga	tggaaatatc	ctggctcttg	cagtggatgc	1740
atctcgggca	agatgtacag	tgggagaaat	cacagatgcc	ctgaaaaagg	tatttggtga	1800
acataaagcg	aatgatcgaa	tggtgagtgg	agcatatcgc	caggaatttg	gagaaagtaa	1860
agagataaca	tctgctatca	agagggttca	taaattcatg	gaacgtgaag	gtcgcagacc	1920
tcgtcttctt	gtagcaaaaa	tgggacaaga	tggccatgac	agaggagcaa	aagttatttg	1980
tacaggattt	gctgatcttg	gttttgatgt	ggacataggc	cctcttttcc	agactcctcg	2040
tgaagtggcc	cagcaggctg	tggatgcgga	tgtgcatgct	gtgggcgtaa	gcaccctcgc	2100
tgctggctcat	aaaaccctag	ttcctgaact	catcaaagaa	cttaactccc	ttggacggcc	2160
agatattctt	gtcatgtgtg	gaggggtgat	accacctcag	gattatgaat	ttctgtttga	2220
agttggtggt	tccaatgtat	ttggctcctg	gactcgaatt	ccaaaggctg	ccgttcaggt	2280
gcttgatgat	attgagaagt	gttttgaaaa	gaagcagcaa	tctgtataat	atcctctttt	2340
tgttttagct	tttgtctaaa	atattatttt	agttatgata	aaagaagaga	gtaaagctat	2400
gtcttcaatt	taatttcaat	acctgatttg	tactttcctt	gaaagcttta	ctttaaaata	2460
cettacttat	aggcctggtg	tcatgctata	agtatgtaca	tacagtttca	cttcaaaaat	2520
aaaaaaaaat	ccctaaaaac	tctctatact	ctctataaca	atactttatc	aagaactctg	2580
gacaatggta	ttatttttta	aaatcatggg	gatgtattta	ttagaatgtt	tcttataaat	2640
ctctttcatt	tttatattaa	gaattaaact	gtacctaaaa	aaactctgac	tattcccatt	2700
tctcagttta	gcattacatt	gtcttgagca	ccagaaaata	aaatccatat	attaattaaa	2760
acctatcttg	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			2798

```
<210> 151
<211> 3984
<212> DNA
<213> Homo sapiens

<400> 151
```



gtcctttcac	gcgtgtcttc	gtgttggtgc	gcttttctact	ggtcataaag	tgctgctcac	60
ggcctgaac	tgctacagcg	tgaaggccgc	cacccgggtc	caggatgctt	ttgccgccgc	120
caagctcctg	gccttgcccc	tgatcatcct	gctgggcttc	gtccagatcg	ggaaggggtga	180
tgtgtccaat	ctagatccca	agttctcatt	tgaaggcacc	aaactggatg	tggggaacat	240
tgtgctggca	ttatacagcg	gcctctttgc	ctatggagga	tggaattact	tgaatttcgt	300
cacagaggaa	atgatcaacc	cctacagaaa	cctgcccctg	gccatcatca	tctccctgcc	360
catcgtgacg	ctgggtgacg	tgctgaccaa	cctggcctac	ttcaccaccc	tgtccaccga	420
gcagatgctg	tgcgtccgagg	ccgtggccgt	ggacttcggg	aactatcacc	tgggcgtcat	480
gtcctggatc	atccccgtct	tctggggctt	gtcctgcttt	ggctccgtca	atgggtccct	540
gttcacatcc	tccaggctct	tcttcgtggg	gtcccgggaa	ggccacctgc	cctccatcct	600
ctccatgatc	caccacagc	tctcaccccc	cgtgccgtcc	ctcgtgttca	cgtgtgtgat	660
gacgtgctc	tacgccttct	ccaaggacat	cttctccgtc	atcaacttct	tcagcttctt	720
caactggctc	tgcgtggccc	tggccatcat	cggcatgatc	tggctgcgcc	acagaaagcc	780
tgagcttgag	cggcccatca	aggtgaacct	ggcctgcct	gtgttcttca	tcttggcctg	840
cctcttcctg	atgcctgtct	ccttctggaa	gacaccctg	gagtgtggca	tcggcttcac	900
catcatcctc	agcgggctgc	ccgtctactt	cttcggggtc	tggtgaaaaa	acaagcccaa	960
gtggctcctc	cagggcatct	tctccacgac	cgtcctgtgt	cagaagctca	tgcaggtggt	1020
ccccaggag	acatagccag	gaggccgagt	ggctgccgga	ggagcatgcg	cagaggccag	1080
ttaaagtaga	tcacctcctc	gaaccactc	cgttcccccg	caaccacag	ctcagctgcc	1140
catcccagtc	ctcgccgtcc	ctcccaggtc	gggcagtgga	ggctgctgtg	aaaactctgg	1200
tacgaatctc	atccctcaac	tgaggggccag	ggaccacaggt	gtgcctgtgc	tcttgcccag	1260
gagcagcttt	tgggtctcctt	gggccctttt	tcccttccct	cctttgttta	cttatatata	1320
tatttttttt	aaacttaaat	tttgggtcaa	cttgacacca	ctaagatgat	tttttaagga	1380
gctgggggaa	ggcaggagcc	ttccttttctc	ctgccccaa	ggcccagacc	ctgggcaaac	1440
agagctactg	agacttgga	cctcattgct	accacagact	tgcactgaag	ccagacagct	1500
gccagacac	atgggcttgt	gacattcgtg	aaaaccaacc	ctgtgggctt	atgtctctgc	1560
cttagggttt	gcagagtgga	aactcagccg	tagggtgga	ctgggagggg	gtgggggatc	1620
tgggcaagg	gggtgattcc	tcccaggagg	tgcttgaggc	cccgatggac	tcttgaccat	1680
aatcctagcc	ccgagacacc	atcctgagcc	agggaaacgc	cccagggttg	gggggtgccg	1740
gcattcctcc	tagctacca	ggcctggcct	ctgggcagtg	tggcctcttg	gctatttctg	1800
ttccagtttt	ggaggctgag	ttctggttca	tgcagacaaa	gccctgtcct	tcagtcttct	1860
agaaacagag	acaagaaagg	cagacacacc	gcggccaggc	acccatgtgg	gcgccaccc	1920
tgggctccac	acagcagtgt	cccctgcccc	agaggctgca	gctaccctca	gcctccaatg	1980
cattggcctc	tgtaccgccc	ggcagcccct	tctggccggg	gctgggttcc	cactcccggc	2040
ctaggcacct	ccccgtctct	cctgtcacgc	tcatgtcctg	tctgggtcct	gatgcccggt	2100
gtctaggaga	cagagccaag	cactgctcac	gtctctgccc	cctgcgtttg	gaggccccctg	2160
ggctctcacc	cagtccccac	ccgcctgcag	agagggaact	agggcacccc	ttgtttctgt	2220
tgttcccgtg	aatttttttc	gctatgggag	gcagccgagg	cctggccaat	gcggccact	2280
ttcctgagct	gtcgtgcct	ccatggcagc	agccaaggac	ccccagaaca	agaagacccc	2340
ccgcaggat	ccctcctgag	ctcggggggc	tctgccttct	caggcccccg	gcttcccttc	2400
tcccagcca	gagggtggagc	caagtggctc	agcgtcactc	cagtgtcag	ctgtggctgg	2460
aggagctggc	ctgtggcaca	gccctgagtg	tcccagccg	ggagccaacg	aagccggaca	2520
cggcttcact	gaccagcggc	tgctcaagcc	gcaagctctc	agcaagtgcc	cagtggagcc	2580
tgcgccccc	acctgggcac	cgggaccccc	tcaccatcca	gtggggcccg	agaaacctga	2640
tgaacagttt	ggggactcag	gaccagatgt	ccgtctctct	tgtttgagga	atgaagacct	2700
ttattcaccc	ctgccccgtt	gcttcccgtc	gcacatggac	agacttcaca	gcgtctgctc	2760
ataggacctg	catccttctt	ggggacgaat	tccactcgtc	caaggggacag	cccacgggtct	2820
qgaagccgaq	gaccaccagc	aggcagggtg	actgactgtg	ttgggcaaga	cctcttccct	2880

```
<210> 152
<211> 1446
<212> DNA
<213> Homo sapiens
```

68

<210> 153  
<211> 5102  
<212> DNA  
<213> Homo sapiens

```

<400> 153
gcttctgcga ctccagttgt gagagccgca agggcatggg aattgacgcc actcaccgac      60
ccccagtctc aatctcaacg ctgtgaggaa acctcgactt tgccagggtcc ccaagggcag      120
cggggctcgg cgagcgaggc acccttctcc gtcccatcc caatccaagc gtccttgga      180
ctgacgacgc caagagactc gagtgggagt taaagcttcc agtgaggga gcaggtgtcc      240
aggccggggc tgcgggttcc tgttgacgtc ttgccctagg caaagggtccc agttccttct      300
cggagccggc tgtcccgcgc cactggaaac cgcacctccc cgcagcatgg gcaccagcct      360
cagcccgaac gacccttggc cgctaaaccc gctgtccatc cagcagacca cgctcctgct      420
actcctgtcg gtgctggcca ctgtgcatgt gggccagcgg ctgctgaggc aacggaggcg      480
gcagctccgg tccgcgcccc cgggcccgtt tgcgtggcca ctgatcgga acgcggcggc      540
ggtgggcccag gcggctcacc tctcgttcgc tcgcctggcg cggcgctacg gcgacgtttt      600
ccagatccgc ctgggcagct gccccatagt ggtgctgaat ggcgagcgcg ccatccacca      660
ggccttggtg cagcagggtc cggccttcgc cgaccggcgg gccttcgct ccttcctgtg      720
ggtgtccggc ggccgcagca tggctttcgg ccactactcg gagcactgga aggtgcagcg      780
gcgcgcagcc cacagcatga tgcgcaactt cttcacgcgc cagccgcgca gccgccaagt      840
cctcgagggc cacgtgctga gcgaggcgcg cgagctggtg gcgctgctgg tgcgcggcag      900
cgcgagcggc gccttcctcg acccgaggcc gctgaccgtc gtggccgtgg ccaacgtcat      960
gagtgcctg tgtttcggct gccgctacag ccacgacgac cccgagttcc gtgagctgct     1020
cagccacaac gaagagttcg ggcgcacggg gggcgcgggc agcctggtgg acgtgatgcc     1080
ctggctgcag tacttcccca acccggtgcg caccgttttc cgcgaattcg agcagctcaa     1140
ccgcaacttc agcaacttca tccctggaca gttcttgagg cactgcgaaa gccttcggcc     1200
cggggccgcc cccgcgaca tgatggacgc ctttatcctc tctgcgaaa agaaggcggc     1260
cggggactcg cacggtggtg gcgcgcggct ggatttgagg aacgtaccgg ccactatcac     1320
tgacatcttc ggcgccagcc aggacacct gtccaccgcg ctgcagtggc tgctcctcct     1380
cttcaccagg tatcctgatg tgcagactcg agtgcaggca gaattggatc aggtcgtggg     1440
gagggaccgt ctgccttgta tgggtgacca gcccaacctg ccctatgtcc tggccttcct     1500
ttatgaagcc atgcgcttct ccagctttgt gcctgtcact attcctcatg ccaccactgc     1560
caacacctct gtcttgggct accacattcc caaggacact gtgggttttg tcaaccagtg     1620
gtctgtgaat catgaccag tgaagtggcc taaccggag aactttgatc cagctcgatt     1680
cttggaacaag gatggcctca tcaacaagga cctgaccagc agagtgatga ttttttcagt     1740
gggcaaaagg cgggtgcattg gcgaagaact ttctaagatg cagctttttc tcttcattct     1800
catcctggct caccagtgcg atttcagggc caaccctaat gagcctgcga aaatgaattt     1860
cagttatggt ctaaccatta aaccctaatc atttaaagtc aatgtcactc tcagagagtc     1920
catggagctc cttgatagtg ctgtccaaaa ttacaagcc aaggaaactt gccataaaga     1980
agcaagaggc aagctgaaat tttagaaata ttcacatctt cggagatgag gagtaaaatt     2040
cagttttttt ccagttcctc ttttgtgtcg cttctcaatt agcgtttaag gtgagcataa     2100
atcaactgtc catcagggtga ggtgtgctcc ataccagcg gttcttcatg agtagtgggc     2160
tatgcaggag cttctgggag atttttttga gtcaaagact taaagggcc aatgaattat     2220
tatatacata ctgcatcttg gttattttctg aaggtagcat tctttggagt taaaatgcac     2280
atatagacac atacaccaa acacttacac caaactactg aatgaagaag tatttttggt     2340
accaggccat ttttggtggg aatccaagat tgggtctcca tatgcagaaa tagacaaaaa     2400
gtatattaaa caaagtttca gagtatattg ttgaagagac agagacaagt aatttcagtg     2460
taaagtgtgt gattgaagg taaagggaa aagataaaga ccagaaattc ctttttcacc     2520
ttttcaggaa aataacttag actctagtat ttatgggtgg atttatcctt ttgccttctg     2580
gtatacttcc ttacttttaa ggataaatca taaagtcagt tgctcaaaaa gaaatcaata     2640

```

gttgaattag	tgagtatagt	ggggttccat	gagttatcat	gaattttaaa	gtatgcatta	2700
ttaaattgta	aaactccaag	gtgatgttgt	acctcttttg	cttgccaaag	tacagaattt	2760
gaattatcag	caaagaaaaa	aaaaaaagcc	agccaagctt	taaattatgt	gaccataatg	2820
tactgatttc	agtaagtctc	ataggttaaa	aaaaaaagtc	accaaatagt	gtgaaatata	2880
ttacttaact	gtccgtaagc	agtatattag	tattatcttg	ttcaggaaaa	ggttgaataa	2940
tatatgcctt	gtgtaatat	gaaaattgaa	aagtacaact	aacgcaacca	agtgtgctaa	3000
aaatgagctt	gattaaatca	accacctatt	tttgacatgg	aaatgaagca	gggtttcttt	3060
tcttcactca	aattttggcg	aatctcaaaa	ttagatccta	agatgtgttc	ttatttttat	3120
aacatcttta	ttgaaattct	atttataata	cagaatcttg	ttttgaaaat	aacctaatta	3180
atatattaaa	attccaaatt	catggcatgc	ttaaatttta	actaaatttt	aaagccattc	3240
tgattattga	gttccagttg	aagtttagtg	aaatctgaac	attctcctgt	ggaaggcaga	3300
gaaatctaag	ctgtgtctgc	ccaatgaata	atggaaaatg	ccatgaatta	cctggatgtt	3360
ctttttacga	ggtgacaaga	gttggggaca	gaactcccat	tacaactgac	caagtttctc	3420
ttctagatga	ttttttgaaa	gttaacatta	atgcctgctt	tttggaagt	cagaatcaga	3480
agatagtctt	ggaagctgtt	tggaaaagac	agtgagatg	aggtcagttg	tgttttttaa	3540
gatggcaatt	actttggtag	ctgggaaagc	ataaagctca	aatgaaatgt	atgcattcac	3600
atttagaaaa	gtgaattgaa	gtttcaagtt	ttaaagttca	ttgcaattaa	acttccaaag	3660
aaagttctac	agtgtcctaa	gtgctaagtg	cttattacat	tttattaagc	tttttggaat	3720
ctttgtacca	aaattttaaa	aaagggagtt	tttgatagtt	gtgtgtatgt	gtgtgtgggg	3780
tgggggggatg	gtaagagaaa	agagagaaac	actgaaaaga	aggaaagatg	gttaaacatt	3840
ttcccactca	ttctgaatta	attaatttgg	agcacaaaat	tcaaagcatg	gacatttaga	3900
agaaagatgt	ttggcgtagc	agagttaaatt	ctcaaataag	ctattaaaaa	agtctacaac	3960
atagcagatc	tgttttgtgg	tttggaatat	taaaaaactt	catgtaattt	tatttttaaaa	4020
tttcatagct	gtacttcttg	aatataaaaa	atcatgccag	tattttttaa	ggcatttagag	4080
tcaactacac	aaagcaggct	tgcccagtag	attttaaattt	tttggcactt	gccattccaa	4140
aatattatgc	cccaccaagg	ctgagacagt	gaatttgggc	tgctgtagcc	tattttttta	4200
gattgagaaa	tgtgtagctg	caaaaataat	catgaaccaa	tctggatgcc	tcattatgtc	4260
aaccaggtcc	agatgtgcta	taatctgttt	ttacgtatgt	aggcccagtc	gtcatcagat	4320
gcttgcgcca	aaagaaagct	gtgtttatat	ggaagaaagt	aaggtgcttg	gagtttacct	4380
ggcttattta	atatgcttat	aacctagtta	aagaaaggaa	aagaaaacaa	aaaacgaatg	4440
aaaataactg	aatttggagg	ctggagtaat	cagattactg	ctttaatcag	aaacctcat	4500
tgtgtttcta	ccggagagag	aatgtatttg	ctgacaacca	ttaaagttag	aagttttact	4560
ccaggttatt	gcaataaagt	ataatgttta	ttaaattgctt	catttgtatg	tcaaagcttt	4620
gactctataa	gcaaattgct	tttttccaaa	acaaaaagat	gtctcagggt	tgttttgtga	4680
attttctaaa	agctttcatg	tcccagaact	tagcctttac	ctgtgaagtg	ttactacagc	4740
cttaatat	ttctagtaga	tctatattag	atcaaatagt	tgcatagcag	tatatgttaa	4800
tttgtgtgtt	tttagctgtg	acacaactgt	gtgattaaaa	ggatatactt	agtagacatt	4860
tataactcaa	ggataccttc	ttatttaatc	ttttcttatt	tttgtacttt	atcatgaatg	4920
cttttagtgt	gtgcataata	gctacagtgc	atagttgtag	acaaagtaca	ttctggggaa	4980
acaacattta	tatgtagcct	ttactgtttg	atataccaaa	ttaaaaaaa	attgtatctc	5040
attacttata	ctgggacacc	attacccaaa	taataaaaaat	cactttcata	atcttgaaaa	5100
aa						5102

<210> 154  
 <211> 3260  
 <212> DNA  
 <213> Homo sapiens

<400> 154						
atccagaaag	caccatagca	accagtgatg	tcatgtctga	aagcatgggtg	gagacccatg	60
atcccatact	tgggagtgga	aaaggggatt	ctggggctgc	cccagacgtg	gatgataaat	120

tatgtctaag	aatgaaactg	gttagtcctg	agactgaggc	gagtgaagag	tctttgcagt	180
tcaacctgga	aaagcctgca	actggtgaaa	gaaaaaatgg	atctactgct	gttgctgagt	240
ctgttgccag	tccccagaag	accatgtctg	tggtgagctg	tatctgtgaa	gccaggcaag	300
agaatgaggc	tcgaagttag	gatcccccca	ccacacccat	cagggggaac	ttgctccact	360
ttccaagttc	tcaaggagaa	gaggagaaag	aaaaattgga	gggtgaccat	acaatcaggc	420
agagtcaaca	gcctatgaag	cccattagtc	ctgtcaagga	ccctgtttct	cctgcttccc	480
agaagatggt	catacaaggg	ccatccagtc	ctcaaggaga	ggcaatggtg	acagatgtgc	540
tagaagacca	gaaagaagga	cggagtacta	ataaggaaaa	tcctagtaag	gccttgattg	600
aaaggcccag	ccaaaataac	ataggaatcc	aaacctgga	gtgttccttg	agggteccag	660
aaactgtttc	agcagcaacc	cagactataa	agaatgtgtg	tgagcagggg	accagtacag	720
tggaccagaa	ctttggaaag	caagatgcca	cagttcagac	tgagaggggg	agtggtgaga	780
aaccagtcag	tgctcctggg	gatgatacag	agtcgctcca	tagccaggga	gaagaagagt	840
ttgatatgcc	tcagcctcca	catggccatg	tcttacatcg	tcacatgaga	acaatccggg	900
aagtacgcac	acttgtcact	cgtgtcatta	cagatgtgta	ttatgtggat	ggaacagaag	960
tagaaagaaa	agtaactgag	gagactgaag	agccaattgt	agagtgtcag	gagtgtgaaa	1020
ctgaagtttc	cccttcacag	actgggggct	cctcaggtga	cctgggggat	atcagctcct	1080
tctcctccaa	ggcatccagc	ttacaccgca	catcaagtgg	gacaagtctc	tcagctatgc	1140
acagcagtgg	aagctcaggg	aaaggagccg	gaccactcag	agggaaaacc	agcgggacag	1200
aaccgcgaga	ttttgcctta	cccagctccc	gaggaggccc	aggaaaactg	agtcctagaa	1260
aaggggtcag	tcagacaggg	acgccagtgt	gtgaggagga	tggatgatgca	ggccttggca	1320
tcagacaggg	aggggaaggct	ccagtcacgc	ctcgtgggcg	tgggcgaagg	ggccgcccac	1380
cttctcggac	cactggaacc	agagaaacag	ctgtgcctgg	ccccttgggc	atagaggaca	1440
tttcacctaa	cttgtcacca	gatgataaat	ccttcagccg	tgtcgtgccc	cgagtgccag	1500
actccaccag	acgaacagat	gtgggtgctg	gtgctttgcg	tcgtagtgac	tctccagaaa	1560
ttcctttcca	ggctgctgct	ggcccttctg	atggcttaga	tgccctcctc	ccaggaaata	1620
gctttgtagg	gctccgtggt	gtagccaagt	ggcatccaa	tggctacttt	tactctggga	1680
aatcacacg	agatgtcgga	gctgggaagt	ataaattgct	ctttgatgat	gggtacgaat	1740
gtgatgtgtt	gggcaaagac	attctgttat	gtgaccccat	cccgtgggac	actgaagtga	1800
cgccctctc	ggaggatgag	tatttcagtg	caggagtggg	gaaaggacat	aggaaggagt	1860
ctggggaact	gtactacagc	attgaaaaag	aaggccaaag	aaagtgggat	aagcgaatgg	1920
ctgtcatcct	gtccttgag	caaggaaaca	gactgagaga	gcagtatggg	cttggccctc	1980
atgaagcagt	aacacctctt	acaaaggcag	cagatatcag	cttagacaat	ttgggtggaag	2040
ggaagcggaa	acggcgcagt	aacgtcagct	ccccagccac	ccctactgcc	tccagtagca	2100
gcagcacaac	ccctacccca	aagatcacag	aaagtcctcg	tgccctccatg	ggagttctct	2160
caggcaaaag	aaaacttatc	acttctgaag	aggaacgggc	ccctgccaaag	cgaggtcgca	2220
agtctgccac	agtaaaacct	ggtgcagtag	gggcaggaga	gtttgtgagc	ccctgtgaga	2280
gtggagacaa	caccggtgaa	ccctctgccc	tgggaagagca	gagagggcct	ttgcctctca	2340
acaagacctt	gtttctgggc	tacgcatttc	tccttaccat	ggccacaacc	agtgacaagt	2400
tggccagccg	ctccaaactg	ccagatgggc	ctacaggaag	cagtgaagaa	gaggaggaat	2460
ttttggaaat	tcctcctttc	aacaagcagt	atacagaatc	ccagcttcga	gcaggagctg	2520
gctatatacct	tgaagatttc	aatgaagccc	agtgtaacac	agcttaccag	tgtcttctaa	2580
ttgcggatca	gcattgtcga	acccggaagt	acttctctgtg	ccttgccagt	gggattcctt	2640
gtgtgtctca	tgtctgggtc	catgatagtt	gccatgccaa	ccagctccag	aactaccgta	2700
attatctgtt	gccagctggg	tacagccttg	aggagcaaag	aattctggac	tggcaacccc	2760
gtgaaaatcc	tttccagaat	ctgaagggtac	tcttgggtatc	agaccaacag	cagaacttcc	2820
tggagctctg	gtctgagatc	ctcatgactg	gtgggtgcagc	ctctgtgaag	cagcaccatt	2880
caagtgccca	taacaaagat	attgcttttag	gggtatttga	tgtgggtggg	acggaccctc	2940

catgcccagc	ctcgggtgctg	aagtgtgctg	aagcattgca	gctgcctgtg	gtgtcacaag	3000
agtgggtgat	ccagtgcctc	attgttgggg	agagaattgg	attcaagcag	catccaaaat	3060
ataaacacga	ttatgtttct	cactaaagat	acttggctct	actggtttta	ttccctgcta	3120
tcgtggagat	tgtgttttaa	ccaggtttta	aatgtgtctt	gtgtgtaact	ggattccttg	3180
catggatctt	gtatatagtt	ttatttgctg	aacttttatg	ataaaaataa	tgttgaatct	3240
ctttggttgt	agtaactggg					3260

<210> 155  
 <211> 1873  
 <212> DNA  
 <213> Homo sapiens

<400> 155						
caaactacgt	gctgtacagc	tgcattcagct	gctcgtagac	atgtccagca	gctggtcgag	60
gtccacgccg	cggtagggtga	agttgcggaa	ggtcggcgga	gggatctgaa	acttgcccct	120
tacccttcgg	gatattgcag	gacgctgcat	catgagcgac	agtaaattgt	acagtcagtt	180
ttatagtgtc	caagtggcag	actcaacctt	cactgtccta	aaacgttacc	agcagctgaa	240
accaattggc	tctggggccc	aagggattgt	ttgtgctgca	tttgatacag	ttcttgggat	300
aaatggtgca	gtcaagaaac	taagccgtcc	ttttcagaac	caaactcatg	caaagagagc	360
ttatcgtgaa	cttgtcctct	taaaatgtgt	caatcataaa	aatataatta	gtttgttaaa	420
tgtgtttaca	ccacaaaaaa	ctctagaaga	atttcaagat	gtgtatttgg	ttatggaatt	480
aatggatgct	aacttatgtc	aggttattca	catggagctg	gatcatgaaa	gaatgtccta	540
ccttctttac	cagatgcttt	gtgggtattaa	acatctgcat	tcagctggta	taattcatag	600
agatttgaag	cctagcaaca	ttgttgtgaa	atcagactgc	accctgaaga	tccttgactt	660
tggcctggcc	cggacagcgt	gcactaactt	catgatgacc	ccttacgtgg	tgacacggta	720
ctaccgggcg	cccgaagtca	tcctgggtat	gggctacaaa	gagaacgttg	atatctgggtc	780
agtgggttgc	atcatgggag	agctgggtgaa	aggttgtgtg	atattccaag	gactgacca	840
tattgatcag	tggaaataaag	ttattgagca	gctgggaaca	ccatcagcag	agttcatgaa	900
gaaacttcag	ccaactgtga	ggaattatgt	cgaaaacaga	ccaaagtatc	ctggaatcaa	960
atttgaagaa	ctctttccag	attggatatt	ccatcagaaa	tctgagcgag	acaaaataaa	1020
aacaagtcaa	gccagagatc	tgttatcaaa	aatgttagtg	attgatcctg	acaagcggat	1080
ctctgtagac	gaagctctgc	gtcaccata	catcactgtt	tgggtatgacc	ccgccgaagc	1140
agaagcccca	ccacctcaaa	tttatgatgc	ccagttggaa	gaaagagaac	atgcaattga	1200
agaatggaaa	gagctaattt	acaaagaagt	catggattgg	gaagaaagaa	gcaagaatgg	1260
tgttgtaaaa	gatcagcctc	cagatgcagc	agtaagtagc	aacgccactc	cttctcagtc	1320
ttcatcgatc	aatgacattt	catccatgtc	cactgagcag	acgctggcct	cagacacaga	1380
cagcagtctt	gatgcctcga	cgggaccctt	tgaaggctgt	cgatgatagg	ttagaaatag	1440
caaacctgtc	agcattgaag	gaactctcac	ctccgtgggc	ctgaaatgct	tgggagttga	1500
tggaaacaaa	tagaaaaact	ccatgttctg	catgtaagaa	acacaatgcc	ttgccctact	1560
cagacctgat	aggattgcct	gcttagatga	taaaatgagg	cagaatatgt	ctgaagaaaa	1620
aaattgcaag	ccacacttct	agagattttg	ttcaagatca	tttcagttga	gcagttagag	1680
taggtgaatt	tgtcaaattg	tactagtgc	agtttctcat	catctgtaac	tgttgagatg	1740
attgtgcatg	tgaccacaaa	tgcttgcttg	gacttgccca	tctagcactt	tggaaatcag	1800
tattttaaag	ccaaataatc	ttccaggtag	tgctgcttct	gaagttatct	cttaatcctc	1860
ttaagtaatt	tgg					1873

<210> 156  
 <211> 3143  
 <212> DNA  
 <213> Homo sapiens

<400> 156						
ggggaagtgt	gggagcaggt	gggctgggca	gtggcagaaa	cctgatgaca	caatctcgcc	60
gcctccctgt	gttgggtggag	gatgtctgca	gcagcattta	aattctggga	gggcttggtt	120
gtcagcagca	gcaggaggag	gcagagacag	catcgtcggg	accagactcg	tctcaggcca	180

gttcagcct	tctcagccaa	acgccgacca	aggtacagct	tcagtttgct	actgggttgt	240
gcattcagct	gaatttcag	gggaagtcca	aattctaagg	aaaaaaaaat	ggtagtataa	300
aaaggtatca	ctgttgtaac	ctatgaagat	gtcagctatt	cctttgaaat	atcttgacag	360
aaaactcact	accatgagaa	ttgcagtgat	ttgcttttgc	ctcctaggca	tcacctgtgc	420
cataccagtg	agtacagttg	catcttaaa	aaaattcctg	aaaataactg	aattgtgtgc	480
ttccatgtgc	taggaggaca	ttcttgtaat	ctttcttcat	cttttctggt	tctaagggtta	540
aacaggctga	ttctggaagt	tctgaggaaa	agcaggtaag	catcttttat	gtttttatat	600
agttaaataca	tttactcaat	tatggcgaga	ggcgcaagaa	acgtatttgc	tgcatcaaaa	660
tgagttcata	tttgtaaagc	aatttgaaag	agtgcctagc	ccacagtaag	tgctacataa	720
gagtttggtta	aatgaatctg	caaaaaaaaa	aaaaattaca	aaaagggtacc	taagggtccg	780
ggtgactata	tgcttccatc	aagactagtg	aagaatgggt	gttttttcca	ttcatcccta	840
catttctttt	tttaataatg	ataaacatgc	aacttttttg	tagctttaca	acaaataccc	900
agatgctgtg	gccacatggc	taaaccctga	cccattctcag	aagcagaatc	tcctagcccc	960
acaggtatct	ttaaacttct	cataattaaa	ctacagtgat	gaaagatagc	cacactcagg	1020
ccatttgggc	tgctcagatg	aatcctgccc	tgcttgctgg	caaacatgtg	cttaggacat	1080
tgactgatct	gccatggttg	cttctctctg	tgtaagccca	tcacacagatg	aggctgaaaa	1140
ataaaaaactg	ctttggatta	aaaagggttaa	cttttgtaata	aaaaagctag	gcatgtgtga	1200
tgcgactaaa	cacgtgccat	tccttcttca	gaatgctgtg	tcctctgaag	aaaccaatga	1260
ctttaaaaca	gaggttaagt	ctcattttca	atcagaggcc	catcatgcct	tgaagagatg	1320
aaagaaggca	ttgcctggat	tctcttctga	tgaaatttca	ttagcaagtt	ttccagctaa	1380
ttggcagctc	aaaacttgct	cataaataaa	acatgtatct	actaaatatc	agaaataacta	1440
ggtttcctcg	gataacctaa	aagccatggg	atgtactgtg	aatgcaaaga	ttctgaaact	1500
aaataaaaag	aaagatagta	aaagactaat	gtgctataaa	ggctaaggga	aaataaaaac	1560
ccatatatta	atcttcccgg	ccatcttaat	tttcagaccc	ttccaagtaa	gtccaacgaa	1620
agccatgacc	acatggatga	tatggatgat	gaagatgatg	atgacctgtg	ggacagccag	1680
gactccattg	actcgaacga	ctctgatgat	gtagatgaca	ctgatgattc	tcaccagtct	1740
gatgagtctc	accattctga	tgaatctgat	gaactgggtc	ctgattttcc	cacggacctg	1800
ccagcaaccg	aagttttcac	tcaggttgct	cccacagtag	acacatatga	tgcccgagggt	1860
gatagtgtgg	tttatggact	gagggtcaaaa	tctaagaagt	ttcgagacc	tgacatccag	1920
gtaaatcctt	taacagacac	acctgatggg	tctgactagc	gctcaagtct	aggaaaccac	1980
agtttgcata	ttcattcatt	cattcatcca	ttcattcatc	cattcagcaa	gaattcattc	2040
atattctact	ttatgaccat	tgaatacaaa	tctttttctg	cttggcggtt	tttgtaagtc	2100
tacataatct	ctctctagat	ttgattctca	aacacaattc	tactttttga	aatcctggat	2160
caaagtaaca	tgctagtatt	atctcagcca	gatttagaca	atcttttagta	taagatgacc	2220
taaaagctag	agagtggaaa	aggattacca	tattcccatc	cctagccgtt	catataatta	2280
ttcttcattt	gtgccgtgat	tcagtaccct	gatgctacag	acgaggacat	cacctcacac	2340
atggaaagcg	aggagtggaa	tggtgcatac	aaggccatcc	ccgttgccca	ggacctgaac	2400
gcgccttctg	attgggacag	ccgtgggaag	gacagttatg	aaacaggtca	gctggatgac	2460
cagagtgtctg	aaaccacag	ccacaagcag	tcagatttat	ataagcggaa	agccaatgat	2520
gagagcaatg	agcattccga	tgtgattgat	agtcaggaac	tttccaaagt	cagccgtgaa	2580
ttccacagcc	atgaatttca	cagccatgaa	gatatgctgg	ttgtagaccc	caaaagtaag	2640
gaagaagata	aacacctgaa	atctcgtatt	tctcatgaat	tagatagtgc	atcttctgag	2700
gtcaattaaa	aggagaaaaa	atacaatttc	tcactttgca	tttagtcaaa	agaaaaaatg	2760
ctttatagca	aatgaaaga	gaacatgaaa	tgcttctttc	tcagttttat	gggtgaaatg	2820
gtatctatct	gagtcctggaa	ataactaatg	tgtttgataa	ttagtttagt	ttgtggcttc	2880
atggaaactc	cctgtaaaca	aaagcttcag	ggttatgtct	atgttcattc	tatagaagaa	2940
atgcaaacta	tcactgtatt	ttaatatctg	ttattctctc	atgaatagaa	atctatgtag	3000

aagcaaacia	aatacttttta	cccacttaaa	aagagaatat	aacatttttat	gtcactataa	3060
tctttttgttt	tttaagtttag	tgtatattttt	gttgtgatta	tctttttgtgg	tgtgaataaa	3120
tctttttatct	tgaatgtaat	aag				3143

<210> 157  
 <211> 1584  
 <212> DNA  
 <213> Homo sapiens

<400> 157	cgggatgcgg	cgcgccgcgc	gttgaacctc	cttggcctgg	gcgaagctgt	gtggaccaag	60
	caagtccagg	gtgtggccat	gtttttctgag	caggctgccc	agagggccca	cactctactg	120
	tccccacat	cagccaacia	tgccaccttt	gcccgggtgc	cagtggcaac	ctacaccaac	180
	tcctcacaac	ccttcgcggt	aggagagcgc	agcttttagcc	ggcagtatgc	ccacatttat	240
	gccacccgcc	tcatccaaat	gagaccttcc	ctggagaacc	gggcccagca	gcactggggc	300
	agtggagtgg	gagtgaagaa	gctgtgtgaa	ctgcagcctg	aggagaagtg	ctgtgtggtg	360
	ggcactctgt	tcaaggccat	gccgctgcag	ccctccatcc	tgcgggagggt	cagcgaggag	420
	cacaacctgc	tccccagcc	tcctcggagt	aaatacatac	accagatga	cgagctggtc	480
	ttggaagatg	aactgcagcg	tatcaacta	aaaggcacca	ttgacgtgtc	aaagctgggt	540
	acggggactg	tcctggctgt	gtttggctcc	gtgagagacg	acgggaagtt	tctggtggag	600
	gactattgct	ttgctgacct	tgctccccag	aagcccgcac	ccccacttga	cacagatagg	660
	tttgtgctac	tggtgtccgg	cctgggcctg	ggtggcgggtg	gaggcgagag	cctgctgggc	720
	accagctgc	tggtggatgt	ggtgacgggg	cagcttgggg	acgaagggga	gcagtgcagc	780
	gccgcccacg	tctcccggtt	tatcctcgct	ggcaacctcc	tcagccacag	caccagagc	840
	agggattcta	tcaataaggc	caaataacct	accaagaaaa	cccaggcagc	cagcgtggag	900
	gctgttaaga	tgctggatga	gatcctcctg	cagctgagcg	cctcagtgcc	cgtggacgtg	960
	atgccaggcg	agtttgatcc	caccaattac	acgtccccc	agcagccct	ccaccctgc	1020
	atgttccgc	tggtccactgc	ctactccacg	ctccagctgg	tcaccaacct	ctaccaggcc	1080
	accattgatg	gagtcagatt	tttggggaca	tcaggacaga	acgtgagtga	cattttccga	1140
	tacagcagca	tgaggatca	cttgagatc	ctggagtggg	ccctgcgggt	ccgtcacatc	1200
	agccccacag	ccccggacac	tctaggttgt	tacctttct	acaaaactga	ccggttcac	1260
	ttcccagagt	gcccgcattg	ctacttttgt	ggcaacacct	ccagctttgg	ctccaaaatc	1320
	atccgaggtc	ctgaggacca	gacagtgtcg	ttggtgactg	tccttgactt	cagtgccacg	1380
	cagaccgcct	gccttgtgaa	cctgcgcagc	ctggcctgcc	agcccatcag	cttctcgggc	1440
	ttcggggcag	aggacgatga	cctgggaggc	ctggggctgg	gcccctgact	caaaaaagtg	1500
	gttttgacca	gagaggccca	gatggaggct	gttcattccc	tgagtgctcg	gcattgtaaa	1560
	taaagcctgg	cacttgctga	tgcg				1584

<210> 158  
 <211> 3172  
 <212> DNA  
 <213> Homo sapiens

<400> 158	gctgggttta	gtaggagacc	tggggcaagg	ccccctgtgg	acgaccatct	gccagcttct	60
	ctcgttccgt	cgattgggag	gagcggtggc	gacctcggcc	ttcagtgttt	ccgacggagt	120
	gaatggcggc	ggcggctggg	atgctgctgc	tgggcttgct	gcaggcgggt	gggtcggtgc	180
	tggggcaggc	gatggagaag	gtgacaggcg	gcaacctctt	gtccatgctg	ctgatcgctt	240
	gcgccttcac	cctcagcctg	gtctacctga	tcgctctggc	cgccggccac	ctgggtccagc	300
	tgcccgcagg	ggtgaaaagt	cctccataca	ttttctcccc	aattccattc	cttgggcatg	360
	ccatagcatt	tgggaaaagt	ccaattgaat	ttctagaaaa	tgcatatgag	aagtatggac	420
	ctgtatttag	ttttaccatg	gtaggcaaga	cattttactta	ccttctgggg	agtgatgctg	480
	ctgcactgct	ttttaatagt	aaaaatgaag	acctgaatgc	agaagatgtc	tacagtgcgc	540
	tgacaacacc	tgtgtttggg	aagggagttg	catacagatg	gcctaataca	gttttcttgg	600
	agcagaagaa	aatgttaaaa	agtggcctta	acatagccca	ctttaaacag	catgtttcta	660



taattgaaaa	agaaacaaag	gaatactttg	agagttgggg	agaaagtgga	gaaaaaatg	720
tgtttgaa	gc tcttctgag	ctcataat	tt taacagctag	ccattgtttg	catggaaagg	780
aaatcagaag	tcaactcaat	gaaaaggtag	cacagctgta	tgcagatttg	gatggagggt	840
tcagccatgc	agcctggctc	ttaccagggt	ggctgccttt	gcctagtttc	agacgcaggg	900
acagagctca	tcgggaaatc	aaggatattt	tctataaggc	aatccagaaa	cgcagacagt	960
ctcaagaaaa	aattgatgac	attctccaaa	ctttactaga	tgctacatac	aaggatgggc	1020
gtcctttgac	tgatgatgaa	gtagcaggga	tgcttatttg	attactcttg	gcagggcagc	1080
atacatcctc	aactactagt	gcttgatgg	gcttcttttt	ggccagagac	aaaacacttc	1140
aaaaaaaaatg	ttatttagaa	cagaaaacag	tctgtggaga	gaatctgcct	cctttaactt	1200
atgaccagct	caaggatcta	aatttacttg	atcgctgtat	aaaagaaaca	ttaagactta	1260
gacctcctat	aatgatcatg	atgagaatgg	ccagaactcc	tcagactgtg	gcaggggtata	1320
ccattcctcc	aggacatcag	gtgtgtgttt	ctcccactgt	caatcaaaga	cttaaagact	1380
catgggtaga	acgctggac	tttaatcctg	atcgctactt	acaggataac	ccagcatcag	1440
gggaaaagtt	tgctatgtg	ccatttggag	ctgggcgtca	tcgttgattt	ggggaaaatt	1500
ttgcctatgt	tcaaattaag	acaatttgg	ccactatgct	tcgtttatat	gaatttgatc	1560
tcattgatgg	atactttccc	actgtgaatt	atacaactat	gattcacacc	cctgagaacc	1620
cagttatccg	ttacaaacga	agatcaaaat	gaaaaagggt	gcaaggaacg	aatatatgtg	1680
attatcactg	taagccacaa	aggcattcga	agagaatgaa	gtgtacaaaa	caactcttgt	1740
agtttactgt	ttttttaagt	gtgtaattct	aaaagccagt	ttatgattta	ggatttttgt	1800
aactgaatgg	ttctatcaaa	tataatagca	tttgacacat	tttctaatag	ttatgatact	1860
tatacatgtg	ctttcaggaa	gttccttgg	gaaacaattg	ttgagggggg	atctaggtaa	1920
ttggcagatt	ctaaataata	taatttccag	atagtaattt	taagagtact	catcgctcct	1980
gccaaataag	ttcagggtat	tcaaactctg	gactagtcct	gcaaggtata	aagaataaaa	2040
atcccagtga	gatacttgga	aaccacagtt	tattattatt	tatctgggca	attatttgtgt	2100
gtgtgaggat	ggaagggtag	ggaataatcg	aacatctaaa	gccttgaata	agagaatact	2160
aattgttttg	gtatgatgat	actcagaaat	ggagatatta	taggaaaaag	aaatcctttg	2220
gaattttaac	taaaatcact	gcatatggga	aattaagaga	tccaggacca	tatttgataa	2280
gagttcctaa	aaataatgta	attattaatg	ctaaagactg	ctcatgtatc	ttgatctaata	2340
tactaaataa	attacatatt	tattttacctg	ataaatatgt	atctagttct	acaaggtcac	2400
atttatgtgg	aagtccaaag	tcaagtcctt	aggggataat	tttgtttttg	gctcagttgt	2460
tcctgtcttc	cttttttttt	tttttttttt	tttgagatgg	agtctcgctc	tggtgccag	2520
gctggagtgc	agtgggtgca	tctcagctca	ctgcactctc	tgctcccg	gttcaagcaa	2580
ttctctgcct	cagcctccca	agtagttggg	attacaggca	cctgccacca	tgctggcta	2640
attttttgta	tttttagtag	agacgggggt	ttcactatgt	tggttaggct	ggtcttgaac	2700
tcctgagcct	cgtgagtcca	ccgccttg	cctcccaaag	tgctgggatt	acaggcatga	2760
gccaccgcac	ctggccttcc	ctgcttcttc	tctagaatcc	aattagggat	gtttgttact	2820
actcatattg	attaaaacag	ttaacaaact	tttttctttt	taaaatgtga	gatcagtga	2880
ctctggtttt	aagataatct	gaaacaagg	ccttgggagt	aataaaaattg	gtcacattct	2940
gtaaagcaca	ttctgttttag	gaatcaactt	atctcaaatt	gtaactcggg	gcctaactat	3000
atgagatggc	tgaaaaaata	ccacatcgtc	tgtttttact	aggtgatgcc	aaaatatttt	3060
gctttatgta	tattacagtt	cttttttaaaa	cactggaaga	ctcatgttaa	actctaattg	3120
tgaaggcaga	atctctgcta	attttttcaga	ttaaaattct	ctttgaaaaa	at	3172

<210> 159  
 <211> 1146  
 <212> DNA  
 <213> Homo sapiens

<400> 159	ggcacgagct	cgtgccgatt	ctgttttgaa	tatagccaga	ggaaaaaagc	atggagaaaa	60
	aactaggaga	gtgtcttctc	ataaacaacc	agccttgaag	gctacaagtg	acaaggaaaa	120

ttctgttccg	aatatggcca	cagaacacaa	ggatgaacaa	atatctggga	cagtgtcttc	180
tcagaaacaa	ccagccttga	aggctacaag	tgacaagaaa	gattctgttt	cgaatatacc	240
cacagaaata	aaggatggac	aacaatctgg	aacagtgtct	tctcagaaac	aaccggcctg	300
gaaggctaca	agtgtcaaga	aagattctgt	ttcgaatata	gccacagaga	taaaggatgg	360
acaaatacgt	gggacagtgt	cttctcagag	acaaccagcc	ttgaaggcta	caggtgatga	420
gaaagattct	gtttcgaata	tagccagaga	aataaaggat	ggagaaaaat	ctgggacagt	480
gtctcctcag	aaacaatcgg	cccagaaggt	tatatattaa	aagaaagttt	ctcttttgaa	540
tattgccaca	agaataacgg	gcggttggaa	atctggaaca	gagtatcctg	agaatctgcc	600
caccttgaag	gctacaattg	aaaataaaaa	ttctgttctg	aatacagcca	ccaaaatgaa	660
agatgtacaa	acatccacac	cagaacaaga	cttagaaatg	gcatcagagg	gagagcaaaa	720
gaggcttgaa	gaatatgaaa	ataaccagcc	acaggtgaaa	aaccaaatac	attctaggga	780
tgaccttgat	gacataattc	agtcattctca	aacagtctca	gaggacggtg	actcgctttg	840
ctgtaattgt	aagaatgtca	tattactcat	tgatcaacat	gaaatgaagt	gtaaagattg	900
tgttcaccta	ttgaaaatta	aaaagacatt	ttgtttatgt	aaaagattaa	cagaacttaa	960
agataatcac	tgtgagcaac	ttagagtaaa	aattcgaaaa	ctgaaaaata	aggctagtgt	1020
actacaaaag	agactatctg	aaaaagaaga	aataaaatcg	cagttaaagc	atgaaacact	1080
tgaattggaa	aaagaactct	gtagtttgag	atttgccata	cagcaagaaa	aaaaaaaaaa	1140
aaaaaa						1146

```
<210> 160
<211> 2200
<212> DNA
<213> Homo sapiens
```

<400>	160						
cgggattact	gccaggcaca	gcacgacctc	tatgcagaca	agtgaactgt	agaaactgat		60
tactgctcca	ccaagaagcc	cccataagag	tggttatcct	ggacacagaa	gtgttgaatt		120
gaaatccaca	gagcatttta	caagagttct	gacctggatg	gggtaaacct	cagtgcactt		180
cttttctggt	ggcctcagta	ttactggatt	gaagaattgc	tgcttcttgt	taggaggttc		240
atttcactta	tcattactta	caacttcata	ctcaaagcac	tgagaatttc	aagtggagta		300
tattgaagta	gacttcagtt	tctttgcatc	atttctgtat	tcaatttttt	taattatttc		360
ataaccctat	tgagtgtttt	taactaaata	acatggctcg	aatgaaccgc	ccagctcctg		420
tggaagtcac	atacaagaac	atgagatttc	ttattacaca	caatccaacc	aatgcgacct		480
taaacaaatt	tatagaggaa	cttaagaagt	atggagttac	cacaatagta	agagtatgtg		540
aagcaactta	tgacactact	cttgtggaga	aagaaggat	ccatgttctt	gattggcctt		600
ttgatgatgg	tgcaccacca	tccaaccaga	ttgttgatga	ctggttaagt	cttgtgaaaa		660
ttaagtttcg	tgaagaacct	ggttgttgta	ttgctgttca	ttgcgttgca	ggccttgggg		720
gagctccagt	acttgttgcc	ctagcattaa	ttgaagggtg	aatgaaatac	gaagatgcag		780
tacaattcat	aagacaaaag	cggcgtggag	cttttaacag	caagcaactt	ctgtatttgg		840
agaagtatcg	tcctaaaatg	cggctgcgtt	tcaaagattc	caacggtcac	agaaacaact		900
gttgcattca	ataaaattgg	ggtgccta	gctactggaa	gtggaacttg	agatagggcc		960
taatttgta	tacatattag	ccaacatgtt	ggcttagtaa	gtctaata	gcttccatag		1020
gagtattgaa	aggcagtttt	accaggcctc	aagctagaca	gatttggcaa	cctctgtatt		1080
tgggttacag	tcaacctatt	tggatacttg	gcaaaagatt	cttgcgtgca	gcatataaaa		1140
tgtgcttgct	atttgtatca	attgaccttt	ccccaatca	tgcagtattg	agttatgact		1200
tgtaaatact	attcccctgc	cagaatctta	tcaatacata	agaaatttag	gaagattagg		1260
tgccaaaata	cccagcacaa	tacttgtata	tttttagtac	catacagaag	taaaatccca		1320
ggaactatga	acactagacc	ttatgtgggt	tattccttca	atcatttcaa	acattgaaag		1380
tagggcctac	atgggtat	gcctgctcac	tttatgttta	catctcccac	attcatacca		1440
atatacgtca	ggtttgctta	accattgatt	tttttttttt	ttaccaagtc	ttacagtgat		1500
tatttttacgt	gtttccatgt	atctcacttt	gtgctgtatt	aaaaaaacct	ccattttgaa		1560

aatctacgtt	gtacagaagc	acatgtcctt	aatgtcctca	gacaaaaaag	ccttacatta	1620
atttaaatgtt	tgcaactctga	ggtgcaactt	aacagggagg	gcctgagaaa	agaatgggag	1680
ggggctatta	attatttttt	agcaaaatgt	tgcccttgtc	ttgtgcaaac	atgtagaata	1740
tgctctttaa	tctagtaaaa	tattttttta	aaaggtagag	atgctttgtt	attgtaatca	1800
taaacttcct	gaaattcttg	taattttttc	ccatacttat	cagaagtgtg	tttaccaact	1860
tatttttgtt	tgaaagtgtg	attttttttt	tccttcccaa	cctctcttgc	aaaaaaagaa	1920
atgggtttct	gctaataaat	tgagcagaga	tctaataatt	tatatgcctt	ttgagctgtg	1980
taagttaata	tttgataact	gacaatttgt	tttattatgt	aattgataaa	atgggtgatgt	2040
gtattaatgt	tagttcaacc	atatatttat	actgtctggg	gatgtgtggg	tatagttctg	2100
tgggagaaat	aattttgtca	gtgttcacca	gcttgtaaaa	acttagtgcg	agagctgaaa	2160
catctaaata	aataatgaca	tgcatattat	atcattgaaa			2200

<210> 161  
 <211> 997  
 <212> DNA  
 <213> Homo sapiens

<400> 161	ttcaccgacc	tcaatctggt	gcagtccttc	aggcagtttc	tatggagctt	tcgcctaccc	60
	ggagaggccc	agaaaattga	ccggatgatg	gaggccttcg	cccagcgata	ctgcctgtgc	120
	aaccctgggg	ttttccagtc	cacagacacg	tgctatgtgc	tgcccttcgc	cgtcatcatg	180
	ctcaacacca	gtctccacaa	tcccaatgtc	cgggacaagc	cgggcctgga	gcgctttgtg	240
	gccatgaacc	ggggcatcaa	cgagggcggg	gacctgctg	aggagctgct	caggaacctg	300
	tacgacagca	tccgaaatga	gcccttcaag	attcctgagg	atgacgggaa	tgacctgacc	360
	cacaccttct	tcaacccgga	ccgggagggc	tggctcctga	agctgggagg	gggccgggtg	420
	aagacgtgga	agcggcgctg	gtttatcctc	acagacaact	gcctctacta	ctttgagtac	480
	accacggaca	aggagccccg	aggaatcatc	cccctggaga	atctgagcat	ccgagaggtg	540
	gacgaccccc	ggaaaccgaa	ctgctttgaa	ctttacatcc	ccaacaacaa	ggggcagctc	600
	atcaaagcct	gcaaaaactga	ggcggacggc	cgagtgggtg	agggaaacca	catggtgtac	660
	cggatctcgg	ccccacaca	ggaggagaag	gacgagtgga	tcaagtccat	ccagtcgggt	720
	gtgagtgtgg	acccttctta	tgagattctg	acagcgagag	agaagcggat	ttcagtcaag	780
	aagaagcagg	agcagccctg	acccctgcc	cccaactcca	ttatttatta	cggagctgcc	840
	ccgcctgggt	ggccggaccc	ctgggccttg	gggctgtgga	tcctggttcc	ctgtttggaa	900
	aattcaccac	ctctagctcc	tactgttct	ttgtaattaa	cacgctgttg	gtaatcttat	960
	taattatttta	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa			997

<210> 162  
 <211> 3054  
 <212> DNA  
 <213> Homo sapiens

<400> 162	agcatttcag	gccccggaca	ggaggcagtg	ccgcttcggc	cgaaggccga	gccgcccag	60
	ggctctggga	tgggtgtggga	ccggcaaacc	aagatggagt	atgagtggaa	acctgacgag	120
	caagggtctt	agcaaatcct	gcagctgttg	aaggagtccc	agtccccaga	caccaccatc	180
	cagagaaccg	tgcaacaaaa	actggaacaa	cttaatcagt	atccagactt	taacaactac	240
	ttgatttttg	ttcttacaaa	attaaaatct	gaagatgaac	ccacaagatc	attgagtggg	300
	cttatcttga	agaataatgt	gaaagcacac	tttcagaact	tcccaaattg	tgtaacagac	360
	tttattaaaa	gtgaatgttt	aaataatatt	ggtgactcct	ctcctctgat	tagagccact	420
	gttggtatth	tgatcacaa	tatagcctcc	aaggggagaat	tgcagaattg	gcctgacctc	480
	ttaccaaacc	tctgtagcct	gttggattct	gaagattata	atacctgtga	gggagcattt	540
	ggtgcccttc	agaagatttg	tgaagattct	gctgagattt	tagacagtga	tgtttttagat	600
	cgtcctctca	acatcatgat	tcccaaattt	ttacagttct	tcaagcatag	tagtccaaaa	660
	ataaggctct	acgctgttgc	atgtgtcaat	cagtttatca	tcagtaggac	tcaagctcta	720

atgttgcaca	ttgattcttt	tactgagaat	ctctttgcat	tagctggtga	tgaagaacca	780
gaggtacgga	aaaatgtgtg	ccgagcactt	gtgatgttgc	tcgaagttcg	aatggatcgc	840
ctgcttcctc	acatgcataa	tatagttgag	tacatgctac	agaggactca	agatcaagat	900
gaaaatgtgg	ctttagaagc	ctgtgaattt	tggtactact	tagctgaaca	gccaatatgc	960
aaagatgtac	tcgtaaggca	tcttcctaag	ttgattcctg	tgtagtgaa	tggcatgaag	1020
tactcagaca	tagatattat	cctacttaag	ggatgatgtg	aagaagacga	aacgattcct	1080
gatagtgaac	aggatatacg	gccacgtttt	caccgatcga	ggacggtggc	tcagcagcat	1140
gatgaagatg	gaattgaaga	ggaagacgat	gatgatgatg	aaattgatga	tgatgataca	1200
atttcagact	ggaatctaag	aaaatgttct	gctgctgccc	tggatgttct	tgcaaagtgt	1260
tatcgtgatg	aactgctgcc	acataattttg	ccccttttga	aagaattact	ttttcatcat	1320
gaatgggttg	ttaaagaatc	aggcattttg	gttttaggag	caattgctga	aggttgcatg	1380
cagggcatga	ttccatactt	gcctgagctt	attcctcacc	ttattcagtg	cctctctgat	1440
aaaaaggctc	ttgtgcgttc	cataacatgc	tggactctta	gccgctatgc	acactgggtg	1500
gtcagccagc	cgccagacac	gtacctgaag	ccattaatga	cagaattgct	aaagcgcac	1560
ctggacagca	acaagagagt	acaagaagct	gcctgcagtg	cctttgctac	cctagaagag	1620
gaggcttgta	cagaacttgt	tccttacctt	gcttatatac	ttgataccct	ggtctttgca	1680
tttagtaaat	accagcataa	gaacctgctc	attcctttacg	atgccatagg	aacattagca	1740
gattcagtag	gacatcattt	aaacaaacca	gaatatattc	agatgcta	gcctccactg	1800
atccagaaat	ggaacatggt	aaaggatgaa	gataaagatc	tcttcccttt	acttgagtgc	1860
ctatcttcag	ttgccacagc	actgcagtct	ggattccttc	cgtactgtga	acctgtgtat	1920
cagcgtttgt	taaacctagt	acagaagact	cttgacacaag	ccatgctaaa	caatgctcaa	1980
ccagatcaat	atgaagctcc	agataaagat	tttatgatag	tggctcttga	tttactgagt	2040
ggcctggctg	aaggacttgg	aggcaacatt	gaacagctgg	tagcccgaag	taacatcctg	2100
acactaatgt	atcagtgcac	gcaggataaa	atgccagaag	ttcgacagag	ttcttttgcc	2160
ctgttaggtg	acctcacaaa	agcttgcttt	cagcatgtta	agccttgat	agctgatttc	2220
atgccaatat	tgggaaccaa	cctaaatcca	gaattcattt	cagtctgcaa	caatgccaca	2280
tgggcaattg	gagaaatctc	cattcaaatg	ggtatagaga	tgagcctta	tattcctatg	2340
gtgttgacc	agcttgtaga	aatcattaac	agacccaaca	caccaaagac	gttgtagag	2400
aatacagcaa	taacaattgg	tcgtcttgg	tacgtttgtc	ctcaagaggt	ggcccccatg	2460
ctacagcagt	ttataagacc	ctggtgcacc	tctctgagaa	acataagaga	caatgaggaa	2520
aaggattcag	cattccgtgg	aatttgtacc	atgatcagtg	tgaatcccag	tggcgtaatc	2580
caagatttta	tatttttttg	tgatgccgtt	gcacatgga	ttaacccaaa	agatgatctc	2640
agagacatgt	tctgtaagat	ccttcattga	tttaaaaatc	aagttggcga	tgaaaattgg	2700
aggcgtttct	ctgaccagtt	tcctcttccc	ttaaaagagc	gtcttgagc	tttttatggt	2760
gtttaatcta	atacacttaa	gctgcagtcc	caaaattagg	ggtccttcag	tcttgagac	2820
tataagggag	cctctgcacc	cagggaaaat	gttacccttt	acagggggga	agggtaaacc	2880
agtagggaat	acagtacaat	cccaacccta	ctgggagggg	cgggagggag	gtgttgccgt	2940
cactgtatta	agtcgatgtt	gggaaacgtt	ttaacatctg	gagcctttgt	gggtggaaat	3000
atgtctccag	ttacaactcc	gcagtggatg	tgaagaagca	aaaaaaaaaa	aaaa	3054

<210> 163  
 <211> 1743  
 <212> DNA  
 <213> Homo sapiens

<400> 163	ggcgcgggga	cgcggttttc	tgcctcaggc	cctgccttgc	tctactctgc	gctctctgcc	60
	cgcgcgcgcg	ccgcctcagc	ctcgcccttg	cgctgcgcgc	ccggcccggtg	ctgccatggc	120
	ctgcgcgcgcg	cgaagccgcg	cgaggcatca	gagccgctgc	gacggtgacg	ccagcccgcc	180
	gtccccgcgcg	cgatggagcc	tgggacggaa	gcgcagagcc	gacggcaggc	gctggaggcc	240
	cgaagacgcc	gaggaggcag	agcaccgcgg	cgccgagcgc	agaccgcaga	gctttaccac	300

tcctgaaggc	cctaaacccc	gttccagatg	ctctgactgg	gcaagtgcag	ttgaagaaga	360
tgaaatgagg	accagagtta	acaaagaaat	ggcaagatat	aaaaggaaac	tcctcatcaa	420
tgacttttga	agagagagaa	aatcatcatc	aggaagtctt	gattcaaagg	agtctatgtc	480
tactgtgccg	gctgactttg	agacagatga	aagtgtccta	atgaggagac	agaagcagat	540
caactatggg	aagaacacaa	ttgcctacga	tcgttatatt	aaagaagtcc	caagacacct	600
tcgacaacct	ggcattcatc	ccaagacccc	taataaattt	aagaagtata	gtcgacgttc	660
atgggaccag	caaatcaaac	tctggaaggt	ggctctgcat	ttttgggatc	ctccagcgga	720
agaaggatgt	gatttgcaag	aaatacaccc	tgtagacctt	gaatctgcag	aaagcagctc	780
cgagccccag	accagctctc	aggatgactt	tgatgtgtac	tctggcacac	ccaccaaggt	840
gagacacatg	gacagtcaag	tggaggatga	gtttgatttg	gaagcttggt	taactgaacc	900
cttgagagac	ttctcagcca	tgagctaact	gccccctggc	ggccaggaag	agaaacagct	960
cctccccgac	taggtggaag	gctggccagg	caccaagcat	gtgtgtgcac	ttgtacctgg	1020
tggtttctct	gttagcagtc	cattagctca	tgctgaatta	tttttgctt	actttcttaa	1080
gaaacattaa	ttttatgtat	agtgagtata	ttttgcatgt	tttaaattgt	aaatggagct	1140
aagtccaaga	aagtacttga	agctctcttc	cagcgagctt	aattgcgtaa	tcctgttgt	1200
cctccagggg	aagctgacac	gtctacataa	ctggttttcc	acaggcatct	tcagttattg	1260
cttgtcaggt	ggactgtttt	ggatttaacc	atgtaatcca	tgggaccaat	tgagagtcag	1320
ctacttttat	aggcatcaaa	gtattctcag	acacctttaa	tatctttatg	gaaacttaat	1380
ttttggctt	ttatcaatat	gtcataacag	cattctgaag	tcagacattg	ttaaattgag	1440
ctattaaact	aatgagtttt	atgtaagtta	tatggtctta	atttgggtatt	tgtaaatagc	1500
actagttaga	ctcttttaga	tactccaaga	gttagggcag	cagagtggag	cgatttagaa	1560
agaacatttt	aaaacaatca	gttaattttac	catgtaaaat	tgctgtaa	gataatgtgt	1620
acagattttc	tgttcaaata	ttcaattgta	aacttcttgt	taagactgtt	acgtttctat	1680
tgcttttgta	tgggatattg	caaaaataaa	aaggaaagaa	ccctcaaaaa	aaaaaaaaaa	1740
aaa						1743

<210> 164  
 <211> 3768  
 <212> DNA  
 <213> Homo sapiens

<400> 164						
cctctgaccc	ttttggctgc	taggagtcag	ccgactcagt	acacaggact	cactgaatgg	60
agacacaagg	ctcctccagg	gagtggcggc	tcatggcaat	cctagaatgg	tcaccagcca	120
ggcttttagag	accacacag	agggcgttct	gacccaaagt	tgactgggg	aactccaagt	180
ttggggattc	tttgaattta	actctttttc	tagctacatt	tcctattatt	tgtccaattc	240
ttaccaaaca	tctctgttca	cattctgaag	ctgggatctg	actggcagag	ctagtagatg	300
ctgactattc	agatggagcc	ctgacattgg	ctttctcagc	ttggctgtga	ctggcagcag	360
gtttgcggga	gaactgtgtg	tcccagaaca	tgactggcta	cacctgcacc	tcagcaagat	420
tggggcaggg	cagttatctt	caaaaagctg	tgtaggtggg	gcagtcatta	ctgacaaatc	480
cagtgcagac	ccaggatggc	ccaaacactg	gcttatcctt	tctgaatctc	atctcccaca	540
gctgtaaagc	gggggtgtgc	tcgctacctc	acagaggtgt	tgtaaagatt	agatgtaatc	600
ttgccaagca	gccactttgt	aaactgtata	gtcttatgca	gatggaagga	agggcctgtg	660
cctaccttga	tcatagcact	aaacaaactg	tactgtatct	tcattcctct	tagttatctc	720
cctaaaaaga	ctctgagttc	cttgaacaca	ggaaggtgtt	ttatttgatt	ttgttatcct	780
cagcatgtag	cagtgtctga	cacacagtag	gtgctctatc	actgtgagag	ggatggatgg	840
atgggtggag	ttacagatgg	atagaaggat	agatggaggg	atgggtggat	gatggatgga	900
tagatggatg	gaggggggat	gatgaatgga	gggataatga	gtggatgaat	gaggggaatg	960
gtggatggat	ggatggaggg	atggaggaac	agatagatag	atggagggat	gggtgggtga	1020
tggatggata	gatggatgga	gggagggatg	atgaatggag	ggataatgaa	tggatgaatg	1080
aggggatggg	tggatggatg	aatggagggg	tgatgggtgg	atgaatgaat	tgagggatgg	1140

atgggatgaac	acatgggatgg	atgggatagat	ggatagatg	aggaactggt	ggatttttgg	1200
tggatgggtg	gatggataga	tgaatgaatg	cctggataga	caaagagatg	atgggatagat	1260
gaatagatga	attaagggat	gtcggataga	tggagggatt	gatagatggt	ggatggatgg	1320
gtggtggatg	gatagatgag	tgaatgcatg	gatagacaaa	gagatgatgg	atgggatgaat	1380
taaggggatga	cagatggatg	gatggatgag	taactggatg	gacaagtgga	taaatggata	1440
gatggttgaa	tacctgaatg	gattgaagga	ggatgcatgg	atgtaagata	aggctaataca	1500
tcctccactc	tctttctttg	caaaaccatc	caccatttta	ctcaataaac	atttatttcag	1560
ttcaaacttg	gcacaaagca	ccatgtgagg	cccaagagat	acgtgggtta	ataaaacaga	1620
gctcctgccc	tcctgaaaac	tgcaaagaaa	ggggcggtgg	ttcctgagtt	caaataccaa	1680
ctctgccagc	gactagctgt	acatcagtga	tgtttcccta	ctttctctca	attaaatagg	1740
gataatgtca	gtacctatca	cattgggagg	tcttgcgggg	attaaatgag	ttaccaaagt	1800
ccaagtgttt	gggacagggc	ctggcaccca	gcaaagtctc	ttgtgagtgc	tggctgctat	1860
tatcctaatt	gagaagatgg	catgaaaacc	aggaaatatg	atgccctttg	ggaagcaatg	1920
caacaggaac	ttacacaaaag	aaaggaaagg	aggaagcaat	tagtggtgtc	tcaaaggagt	1980
atgtcaagaa	aaacttttca	gagggaaacc	tttgagcagg	gccatgaaaa	caggagtctc	2040
ctaagagatt	gtggacttgc	ctgggaccac	ctggctataa	gcacaaaacc	atccggttcc	2100
tttctgtcac	ttctggcggg	tgaggggtct	ctggcaaagg	ggcagaagg	gcgtgagagg	2160
ttgcgaatgg	caggactgtc	ctggccagcc	ggggcacctg	gtggccaagc	ttagaaacat	2220
gacaggtcct	cttgggaggg	ctgaccgcag	ggagcgttgg	gtttcaggct	gctggcgctcg	2280
gcttctgtgg	tgccctttct	gtcggtatg	agagtcaga	cagtgcccaa	cctcctcccc	2340
ttctttccac	acgcacaacc	acccacccc	ctgtggcctg	agctgtcctg	cctcgccaca	2400
atggcacctg	ccctaaaata	gcttcccatg	tgagggctag	agaaaggaaa	agattagacc	2460
ctccctggat	gagagagaga	aagtgaagga	gggcagggga	gggggacagc	gagccattga	2520
gcgatctttg	tcaagcatcc	cagaaggat	aaaaacgcc	ttgggaccag	gcagcctcaa	2580
acccagctg	ttggggccag	gacaccag	gagccatac	ttgctctttt	tgtcttcttc	2640
agactgcgc	atggggctca	gcgacgggga	atggcagttg	gtgctgaacg	tctgggggaa	2700
ggtggaggct	gacatcccag	gccatgggca	ggaagtccct	atcaggtaaa	aggaagagat	2760
tccattgccc	ctgccacca	caccctaaga	tcaagggtgt	tcagctgcaa	ggtggaaagt	2820
ttgcacgtgg	ggtaggctcag	ttggctgcat	tagttaagg	tgttagaacg	gtcacttgct	2880
ttttctttgc	ttttaagtgt	cagggttg	actcaggaga	gggaaaggag	ccatttcagg	2940
ctgatatcag	cagctggagg	aagcatgaga	atcaaacct	ggatgctcag	agtcaccag	3000
gaagaatttt	agaattatag	acagtcagag	ttaacaagg	tcctgagaga	ttttgtacag	3060
ccacctctct	tacaggatga	ggacaaaaag	cgactgagaa	ggggaggaca	tttcagagt	3120
cacagctcat	taaatgctct	taaagtgtca	aggttaagac	atgctcttca	aggggagaca	3180
gatctggttc	tagacttggc	tctgccactg	agccactggg	tgacctttgg	gaagggtactc	3240
aacctctcgg	agcctcaatt	tcctctcctg	tacagtgagg	ggatatccta	atatctatat	3300
cctagaggag	atgtgagaat	taaataaaat	aatgcatgca	agaggcctgg	catggttcct	3360
ggcatatact	gagtcctaga	aatgttagta	gctattactg	atgaagccca	ggctagggac	3420
ctttcaaagc	attgcaatta	gagaacagaa	gatagaggct	cattagtgc	cttcgatgtt	3480
gagtatgtct	ctagtttgag	aggtctgaat	gatgtggtct	gcaagtatat	cctgccttct	3540
accacaaggg	attccagaat	acaccaaaga	aaacaaaatt	ctgaggtttg	taaatagagg	3600
gtggctgtgg	tttgtacata	gaagctcatc	tcctcgttgc	cttctatccc	aaaggtgata	3660
cactcttctc	ttggccctt	ccctcaccat	tctgagctgg	ttccctcaga	agtctaatag	3720
gttaagaatc	aacgtttctg	ccaacgggag	gaagggaagt	ggcgccgg		3768

80

gagacattcc	tcaattgctt	agacatattc	tgagcctaca	gcagaggaac	ctccagtctc	60
agcaccatga	atcaaactgc	gattctgatt	tgctgcctta	tctttctgac	tctaagtggc	120
attcaaggag	tacctctctc	tagaaccgta	cgctgtacct	gcatacagcat	tagtaatcaa	180
cctgttaatc	caaggtcttt	agaaaaactt	gaaattattc	ctgcaagcca	attttgtcca	240
cgtgttgaga	tcattgctac	aatgaaaaag	aagggtgaga	agagatgtct	gaatccagaa	300
tcgaaggcca	tcaagaatth	actgaaagca	gttagcaagg	aaatgtctaa	aagatctcct	360
taaaaccaga	ggggagcaaa	atcgatgcag	tgcttccaag	gatggaccac	acagaggctg	420
cctctcccat	cacttcccta	catggagtat	atgtcaagcc	ataattgttc	ttagtttgca	480
gttacactaa	aaggtgacca	atgatggcca	ccaaatcagc	tgctactact	cctgtaggaa	540
ggttaatgtt	catcatccta	agctattcag	taataactct	accctggcac	tataatgtaa	600
gctctactga	gggtgctatg	tcttagtgga	tgcttctgacc	ctgcttcaaa	tatttccctc	660
acctttccca	tcttccaagg	gtactaagga	atctttctgc	tttgggggtt	atcagaattc	720
tcagaatctc	aaataactaa	aaggtatgca	atcaaactcg	cttttttaaag	aatgctcttt	780
acttcatgga	cttccactgc	catcctccca	aggggcccac	attctttcag	tggtaccta	840
catacaattc	caaacacata	caggaaggta	gaaatatctg	aaaatgtatg	tgtaagtatt	900
cttatttaat	gaaagactgt	acaaagtata	agtcttagat	gtatatattt	cctatattgt	960
tttcagtgtg	catggaataa	catgtaatta	agtactatgt	atcaatgagt	aacaggaaaa	1020
ttttaaaaat	acagatagat	atatgctctg	catgttacat	aagataaatg	tgctgaatgg	1080
ttttcaaata	aaaatgaggt	actctcctgg	aaatattaag	aaagactatc	taaatgttga	1140
aagatcaaaa	ggttaataaa	gtaattataa	ct			1172

<210> 166  
 <211> 1550  
 <212> DNA  
 <213> Homo sapiens

<400> 166	tcaacgcctg	cctccccctg	agcgtcctca	gcgcagccgc	cgcccgcgga	gccagcacga	60
acgagcccag	caccggccgg	atggagcgtc	cgcaacccca	cagcatgccc	caggatttgt		120
cagaggccct	gaaggaggcc	accaaggagg	tgacacacca	ggcagagaat	gctgagttca		180
tgaggaaact	tcagaagggc	caggtgaccc	gagacggctt	caagctgggtg	atggcctccc		240
tgtaccacat	ctatgtggcc	ctggaggagg	agattgagcg	caacaaggag	agcccagtct		300
tcgcccctgt	ctacttccca	gaagagctgc	accgcaaggc	tgccctggag	caggacctgg		360
ccttctggta	cgggccccgc	tggcaggagg	tcatccccta	cacaccagcc	atgcagcgct		420
atgtgaagcg	gctccacgag	gtggggcgca	cagagcccga	gctgctgggtg	gcccacgcct		480
acaccgccta	cctgggtgac	ctgtctgggg	gccaggtgct	caaaaagatt	gcccagaaag		540
ccctggacct	gcccagctct	ggcgagggcc	tgcccttctt	caccttcccc	aacattgcca		600
gtgccaccaa	gttcaagcag	ctctaccgct	cccgcatgaa	ctccctggag	atgactcccg		660
cagtcaggca	gaggggtgata	gaagaggcca	agactgcgtt	cctgctcaac	atccagctct		720
ttgaggagtt	gcaggagctg	ctgacccatg	acaccaagga	ccagagcccc	tcacgggcac		780
cagggcttcg	ccagcggggc	agcaacaaaag	tgcaagattc	tgcccccggtg	gagactccca		840
gagggaaagcc	ccactcaac	acccgctccc	aggctccgct	tctccgatgg	gtccttacac		900
tcagctttct	ggtggcgaca	gttgctgtag	ggctttatgc	catgtgaatg	caggcatgct		960
ggctcccagg	gccatgaact	ttgtccgggtg	gaaggccttc	tttctagaga	gggaattctc		1020
ttggctggct	tccttaccgt	gggcactgaa	ggctttcagg	gcctccagcc	ctctcactgt		1080
gtccctctct	ctggaaagga	ggaaggagcc	tatggcatct	tccccaacga	aaagcacatc		1140
caggcaatgg	cctaaacttc	agagggggcg	aaggggtcag	ccctgccctt	cagcatcctc		1200
agttcctgca	gcagagcctg	gaagacaccc	taatgtggca	gctgtctcaa	acctccaaaa		1260
gccctgagtt	tcaagtatcc	ttgttgacac	ggccatgacc	actttccccg	tgggccatgg		1320
caatttttac	acaaacctga	aaagatgttg	tgtcttgtgt	ttttgtctta	tttttgttgg		1380
agccactctg	ttcctggctc	agcctcaaat	gcagtatttt	tggtgtgttc	tggtgttttt		1440

atagcagggg	tgggggtgggt	tttgagccat	gcgtgggtgg	ggagggaggt	gtttaacggc	1500
actgtggcct	tgggtctaact	tttgtgtgaa	ataataaaca	acattgtctg		1550

<210> 167  
 <211> 1585  
 <212> DNA  
 <213> Homo sapiens

<400> 167	acagcagttta	cactgcggcg	ggcgtctgtt	ctagtgtttg	agccgtcgtg	cttcaccggg	60
	ctacctcgct	agcatgtcgg	gccgcggcaa	gactggcggc	aaggcccgcg	ccaaggccaa	120
	gtcgcgctcg	tcgcgcgccc	gcctccagtt	cccagtgggc	cgtgtacacc	ggctgctgcg	180
	gaagggccac	tacgccgagc	gcgttggcgc	cggcgcgcc	gtgtacctgg	cggcagtgct	240
	ggagtacctc	accgctgaga	tcctggagct	ggcgggcaat	gcggcccgcg	acaacaagaa	300
	gacgcgaatc	atcccccgcc	acctgcagct	ggccatccgc	aacgacgagg	agctcaacaa	360
	gctgctgggc	ggcgtgacga	tcgccagggg	aggcgtcctg	cccaacatcc	aggcgtgct	420
	gctgcccaag	aagaccagcg	ccaccgtggg	gccgaaggcg	ccctcggggc	gcaagaaggc	480
	caccagggcc	tcccaggagt	actaagaggg	cccgcgcgc	ggccggccgc	cccagctccc	540
	catgccacca	caaaggccct	tttaagggcc	accaccgccc	tcatggaaag	agctgagccg	600
	cttcagactg	cggggcaagc	gggcgcgggc	tcccttcccc	tcccttcccc	tcgcccgcct	660
	tcgcccgcct	gcctcgagtc	cccgcgcgc	cccgtccccg	tcccgcaccg	cctgcgcgct	720
	cggcctcggg	cctgcctgt	ccgcgcgcgc	ccctccggta	gggttcgggc	cttcgggatg	780
	cggcttgggc	gctcttcggg	gacctccgtg	gcgcggaaga	cccagagcctg	ccggggggag	840
	gccggcggcg	ccgcacctgc	ccgcctcggc	gttcgtgact	cagccgcccc	atcccagatc	900
	gctaaggggc	tcgggggagg	ccgcagcacc	ttctggaaga	cttggccttc	cgtctgacg	960
	cagggccgag	gtgggcagtc	cagggccgaga	gccggcggcc	ctgaagggtga	gtgaggccct	1020
	cggcagctgc	agccgggggtg	tctggtaccc	ccccggcgtg	gtgcttagcc	caggactttc	1080
	agacggccgc	tggccggggag	gctttgggtg	gagagacgcg	atcgccgatt	tcgggtctggc	1140
	gccccctctg	cggccggggac	ccaggccctt	cacatcagct	ctccctccat	cttcattcat	1200
	aggtctgcgc	tggggccggg	acgaagcact	tggtaacagg	cacatcttcc	tcccagtgta	1260
	ctgcctccta	ggaggacatt	taggggaggg	cagaggcctg	cagtttggtc	tcacggctgg	1320
	ctatgtggac	agcaagagtc	gttttgcgga	acgcgactgg	cagccaggcc	tgtcggggcc	1380
	ccgacgcgc	cccatttccc	ttccagcaaa	ctcaactcgg	caatccaagc	acctagatac	1440
	cagcacaagt	cggttaatcc	ctgtctggac	tgagcctccg	ttggcttctg	aactggaatt	1500
	ctgcagctaa	cccttccacg	actagaacct	taggcattgg	ggagttttag	atggactaat	1560
	tttattaaag	gattgttttt	ttttt				1585

<210> 168  
 <211> 627  
 <212> DNA  
 <213> Homo sapiens

<400> 168	agtctccggc	gagttgttgc	ctgggctgga	cgtggttttg	tctgctgcgc	ccgtctcttcg	60
	cgctctcggt	tcatTTTTctg	cagcgcgcca	cgaggatggc	ccacaagcag	atctactact	120
	cggacaagta	cttcgacgaa	cactacgagt	accggcatgt	tatgttacct	agagaacttt	180
	ccaaacaagt	acctaaaact	catctgatgt	ctgaagagga	gtggaggaga	cttgggtgtcc	240
	aacagagtct	aggctgggtt	cattacatga	ttcatgagcc	agaaccacat	attcttctct	300
	ttagacgacc	tcttccaaaa	gatcaacaaa	aatgaagttt	atctggggat	cgtcaaatct	360
	ttttcaaatt	taatgtatat	gtgtatataa	ggtagtattc	agtgaatact	tgagaaatgt	420
	acaaatcttt	catccatacc	tgtgcatgag	ctgtattctt	cacagcaaca	gagctcagtt	480
	aatgcaact	gcaagtaggt	tactgtaaga	tgtttaagat	aaaagttctt	ccagtcagtt	540
	tttctcttaa	gtgcctgttt	gagtttactg	aaacagttta	cttttgttca	ataaagtttg	600
	tatgttgcac	ttaaaaaaaa	aaaaaaa				627



<210> 169  
 <211> 2161  
 <212> DNA  
 <213> Homo sapiens

```

<400> 169
gggcgatcct gccggagccc cgccgccgcc ggcttggatt ctgaaacctt ccttgtatcc      60
ctcctgagac atctttgctg caagatcgag gctgtcctct ggtgagaagg tggtagaggct      120
tcccgtcata ttccagctct gaacagcaac atgggggtgca aagtcctgct caacattggg      180
cagcagatgc tgcggcgga ggtggtggac tgtagcccgg aggagacgcg gctgtctcgc      240
tgectgaaca cttttgatct ggtggccctc ggggtgggca gcacactggg tgctgggtgc      300
tacgtcctgg ctggagctgt ggcccgtag aatgcaggcc ctgccattgt catctccttc      360
ctgatcgctg cgctggcctc agtgcctggc ggccgtgtgt atggcgagtt tgggtgctcg      420
gtccccaaga cgggctcagc ttacctctac agctatgtca ccgttggaga gctctgggcc      480
ttcatcaccg gctggaactt aatcctctcc tacatcatcg gtacttcaag cgtagcgagg      540
gcctggagcg ccaccttcga cgagctgata ggcagaccca tcggggagtt ctacaggaca      600
cacatgactc tgaacgcccc cggcgtgctg gctgaaaacc ccgacatatt cgcagtgatc      660
ataattctca tcttgacagg acttttaact cttggtgtga aagagtcggc catggtcaac      720
aaaatattca cttgtattaa cgtcctggtc ctgggcttca taatggtgtc aggatttgtg      780
aaaggatcgg ttaaaaactg gcagctcacg gaggaggatt ttgggaacac atcaggccgt      840
ctctgtttga acaatgacac aaaagaaggg aagcccggtg ttggtggatt catgcccttc      900
gggttctctg gtgtcctgtc gggggcagcg acttgcttct atgccttcgt gggctttgac      960
tgcacgcca ccacaggtga agaggtgaag aaccacaga aggccatccc cgtggggatc     1020
gtggcgctcc tcttgatctg cttcatcgcc tactttgggg tgcggctgc ctcacgctc     1080
atgatgccct acttctgcct ggacaataac agccccctgc ccgacgcctt taagcacgtg     1140
ggctgggaag gtgccaahta cgcagtggcc gtgggctccc tctgtgctct ttccgccagt     1200
cttctagggt ccattgttcc catgcctcgg gttatctatg ccatggctga ggatggactg     1260
ctattttaat tcttagccaa cgtcaatgat aggacaaaa caccaataat cgccacatta     1320
gcctcgggtg ccgttgcctg tgtgatggcc ttccctcttg acctgaagga cttggtggac     1380
ctcatgtcca ttggcactct cctggcttac tcgttgggtg ctgcctgtgt gttggtctta     1440
cggtagcagc cagagcagcc taacctggta taccagatgg ccagtacttc cgacgagtta     1500
gatccagcag accaaaatga attggcaagc accaatgatt ccagctggg gtttttacca     1560
gaggcagaga tgttctcttt gaaaaccata ctctaccca aaaacatgga gccttccaaa     1620
atctctgggc taattgtgaa catttcaacc agccttatag ctgttctcat catcaccttc     1680
tgcattgtga ccgtgcttgg aaggagggtc ctaccaaag gggcgctgtg ggcagtcttt     1740
ctgctcgtag ggtctgcct cctctgtgcc gtggctacgg gcgtcatctg gaggcagccc     1800
gagagcaaga ccaagctctc atttaagggt cccttctcgc cagtgcctcc catcctgagc     1860
atcttcgtga acgtctatct catgatgcag ctggaccagg gcacctgggt ccggtttgct     1920
gtgtggatgc tgataggctt catcatctac tttggctatg gcctgtggca cagcgaggag     1980
gcgtccctgg atgccgacca agcaaggact cctgacggca acttggaacca gtgcaagtga     2040
cgcacagccc cgccccccgg aggtggcagc agccccgagg gacgccccca gaggaccggg     2100
aggcacccca ccctccccac cagtgaaca gaaaccacct gcgtccacac cctcactgca     2160
g                                                                 2161
    
```

<210> 170  
 <211> 2824  
 <212> DNA  
 <213> Homo sapiens

```

<400> 170
gcggccgctt tcgatttcgc tttcccctaa atggctgagc ttctcgccag cgcaggatca      60
gcctgttccct gggactttcc gagagccccg cctcgttcc ctccccagc cgccagtagg      120
ggaggactcg gcggtaccgg gagcttcagg cccaccggg gcgcggagag tcccagaccc     180
ggccgggacc gggacggcgt ccgagtcca atggctagct ctaggtgtcc cgctccccgc     240
    
```

gggtgccgct	gcctccccgg	agcttctctc	gcatggctgg	ggacagtact	gctacttctc	300
gccgactggg	tgtgtctccg	gaccgcgctg	ccccgcata	tctccctgct	ggtgcccacc	360
gcgctgccac	tgtccgggt	ctgggagggt	ggcctgagcc	gctgggccgt	gctctggctg	420
ggggcctgcg	gggtcctcag	ggcaacgggt	ggctccaaga	gcgaaaacgc	aggtgcccag	480
ggctggctgg	ctgctttgaa	gccattagct	gcggcactgg	gcttgccct	gccgggactt	540
gccttggtcc	gagagctgat	ctcatgggga	gccccgggt	ccgcggatag	caccaggcta	600
ctgcactggg	gaagtcaccc	taccgccttc	gttgtcagtt	atgcagcggc	actgcccgc	660
gcagccctgt	ggcacaaact	cgggagcctc	tgggtgccc	gcggtcaggg	cggctctgga	720
aacctgtgc	gtcggcttct	aggctgcctg	ggctcgga	cgcgcgcct	ctcgtgttc	780
ctggtcctgg	tggctctctc	ctctcttggg	gagatggcca	ttccattctt	tacgggccgc	840
ctcactgact	ggattctaca	agatggctca	gccgatacct	tactcgaaa	cttaactctc	900
atgtccattc	tcaccatagc	cagtgcagtg	ctggagttcg	tgggtgacgg	gatctataac	960
aacaccatgg	gccacgtgca	cagccacttg	caggagagg	tgtttggggc	tgtcctgcgc	1020
caggagacgg	agtttttcca	acagaaccag	acaggaaca	tcatgtctcg	ggtaacagag	1080
gacacgtcca	ccctgagtga	ttctctgagt	gagaatctga	gcttatttct	gtggtacctg	1140
gtgcgaggcc	tatgtctctt	ggggatcatg	ctctggggat	cagtgtccct	caccatggtc	1200
acctgatca	ccctgcctct	gcttttctct	ctgccaaga	aggtgggaaa	atggtaggag	1260
ttgctggaag	tgcaggtg	ggaatctctg	gcaaagtcca	gccaggtggc	cattgaggct	1320
ctgtcggcca	tgcctacagt	tcgaagcttt	gccaacgagg	agggcgaagc	ccagaagttt	1380
agggaaaagc	tgcaagaaat	aaagacactc	aaccagaagg	aggctgtggc	ctatgcagtc	1440
aactcctgga	ccactagtat	ttcaggtatg	ctgctgaaag	tgggaatcct	ctacattggt	1500
gggcagctgg	tgaccagtgg	ggctgtaagc	agtgggaacc	ttgtcacatt	tgttctctac	1560
cagatgcagt	tcaccagggc	tgtggaggta	ctgctctcca	tctaccccag	agtacagaag	1620
gctgtgggct	cctcagagaa	aatattttgag	tacctggacc	gcacccctcg	ctgcccacc	1680
agtggctgtg	tgactccctt	acacttgagg	ggccttgtcc	agttccaaga	tgtctccttt	1740
gcctacccaa	accgcccaga	tgtcttagtg	ctacaggggc	tgacattcac	cctacgcctt	1800
ggcgagggtga	cggcgctggg	gggacccaat	gggtctggga	agagcacagt	ggctgccttg	1860
ctgcagaatc	tgtaccagcc	caccggggga	cagctgctgt	tggatgggaa	gccccttccc	1920
caatatgagc	accgctacct	gcacaggcag	gtggctgcag	tgggacaaga	gccacaggta	1980
tttggaagaa	gtcttcaaga	aaatattgcc	tatggcctga	cccagaagcc	aactatggag	2040
gaaatcacag	ctgctgcagt	aaagtctggg	gcccatagtt	tcatctctgg	actccctcag	2100
ggctatgaca	cagaggtaga	cgaggctggg	agccagctgt	cagggggtca	gcgacaggca	2160
gtggcggttg	cccgagcatt	gatccggaaa	ccgtgtgtac	ttatcctgga	tgatgccacc	2220
agtgccttg	atgcaaacag	ccagttacag	gtggagcagc	tcctgtacga	aagccctgag	2280
cggtaactcc	gctcagtgt	tctcatcacc	cagcacctca	gcctggtgga	gcaggctgac	2340
cacatcctct	ttctggaagg	aggcgctatc	cgggaggggg	gaaccacca	gcagctcatg	2400
gagaaaaagg	ggtgctactg	ggccatgggt	caggctcctg	cagatgctcc	agaatgaaag	2460
ccttctcaga	cctgcgcact	ccatctccct	cccttttctt	ctctctgtgg	tggagaacca	2520
cagctgcaga	gtagcagctg	cctccaggat	gagttacttg	aaatttgcct	tgagtgtgtt	2580
acctcctttc	caagctcctc	gtgataatgc	agacttcttg	gagtacaaac	acaggatttg	2640
taattcctac	tgtaacggag	tttagagcca	gggctgatgc	tttgggtgtg	ccagcactct	2700
gaaactgaga	aatgttcaga	atgtacggaa	agatgatcag	ctattttcaa	cataactgaa	2760
ggcatatgct	ggcccataaa	caccctgtag	gttcttgata	tttataataa	aattggtgtt	2820
ttgt						2824

<210> 171  
 <211> 2247  
 <212> DNA  
 <213> Homo sapiens  
 <400> 171

ccggggcgga	tggctccggc	cgcttggctc	cgcagcgcg	ccgcgcgcgc	cctcctgccc	60
ccgatgctgc	tgctgctgct	ccagccgccc	ccgctgctgg	cccgggctct	gccgcccggac	120
gtccaccacc	tccatgccga	gaggaggggg	ccacagccct	ggcatgcagc	cctgcccagt	180
agcccggcac	ctgcccctgc	cacgcaggaa	gcccccggc	ctgccagcag	cctcaggcct	240
ccccgctgtg	gcgtgcccga	cccactctgat	gggctgagt	cccgcaccg	acagaagagg	300
ttcgtgcttt	ctggcgggcg	ctgggagaag	acggacctca	cctacaggat	ccttcgggttc	360
ccatggcagt	tggtgcagga	gcagggtgcg	cagacgatgg	cagaggccct	aaaggtatgg	420
agcgatgtga	cgccactcac	ctttactgag	gtgcacgagg	gccgtgctga	catcatgatc	480
gacttcgcca	ggtactggca	tggggacgac	ctgccgtttg	atgggcctgg	gggcatcctg	540
gcccattgcct	tcttccccaa	gactcaccga	gaaggggatg	tccacttcga	ctatgatgag	600
acctggacta	tcggggatga	ccagggcaca	gacctgctgc	aggtggcagc	ccatgaattt	660
ggccacgtgc	tggggctgca	gcacacaaca	gcagccaagg	ccctgatgtc	cgccttctac	720
acctttcgct	accactgag	tctcagccca	gatgactgca	ggggcggttc	acacctatat	780
ggccagccct	ggcccactgt	cacctccagg	accccagccc	tgggccccca	ggctgggata	840
gacaccaatg	agattgcacc	gctggagcca	gacgccccgc	cagatgcctg	tgaggcctcc	900
tttgacgcgg	tctccaccat	ccgaggcgag	ctctttttct	tcaaagcggg	ctttgtgtgg	960
cgctccgtg	ggggccagct	gcagcccggc	taccagcat	tggcctctcg	ccactggcag	1020
ggactgcca	gccctgtgga	cgctgccttc	gaggatgccc	agggccacat	ttggttcttc	1080
caaggtgctc	agtactgggt	gtacgacgg	gaaaagccag	tcctgggccc	cgcacccttc	1140
accgagctgg	gcctgggtgag	gttcccggtc	catgctgcct	tggctctggg	tcccagagaag	1200
aacaagatct	acttcttccg	aggcagggac	tactggcggt	tccaccccag	caccggcggt	1260
gtagacagtc	ccgtgccccg	cagggccact	gactggagag	gggtgcccct	tgagatcgac	1320
gctgccttcc	aggatgctga	tggctatgcc	tacttctctg	gcggccgcct	ctactggaag	1380
tttgaccctg	tgaaggtgaa	ggctctggaa	ggcttcccc	gtctcgtagg	tcctgacttc	1440
tttggtgtg	ccgagcctgc	caacactttc	ctctgaccat	ggcttggatg	ccctcagggg	1500
tgctgacccc	tgccaggcca	cgaatatcag	gctagagacc	catggccatc	tttgtggctg	1560
tgggcaccag	gcatgggact	gagcccatgt	ctcctgcagg	gggatgggg	ggggtacaac	1620
caccatgaca	actgccggga	gggccacgca	ggctggtggt	acctgccagc	gactgtctca	1680
gactgggcag	ggaggctttg	gcatgactta	agaggaagg	cagtcttggg	accgctatg	1740
caggctcctg	caaacctggc	tgccctgtct	catccctgtc	cctcagggta	gcaccatggc	1800
aggactgggg	gaactggagt	gtccttgtct	tatccctgtt	gtgaggttcc	ttccaggggc	1860
tggcactgaa	gcaaggggtg	tggggcccc	tggccttcag	ccctggctga	gcaactgggc	1920
tgtagggcag	ggccacttcc	tgaggtcagg	tcttggtagg	tgctgcctc	tgtctgcctt	1980
ctggctgaca	atcctggaaa	tctgttctcc	agaatccagg	ccaaaaagtt	cacagtcaaa	2040
tggggagggg	tattcttcat	gcaggagacc	ccaggccctg	gaggctgcaa	catacctcaa	2100
tcctgtccca	ggccggatcc	tcctgaagcc	cttttcgcag	cactgctatc	ctccaaagcc	2160
attgtaaatg	tgtgtacagt	gtgtataaac	cttcttcttc	tttttttttt	ttaaactgag	2220
gattgtcatt	aaacacagtt	gttttct				2247

<210> 172  
 <211> 5434  
 <212> DNA  
 <213> Homo sapiens

<400> 172						
cgtccgcgtg	gggggggtgt	gtgcccgcct	tgccgatgcg	tgttccctgg	gcatggccgg	60
ctccgttcca	tccttctgca	cagggtatcg	cctctctccg	tttggtacat	cccctcctcc	120
cccacgccc	gactgggggtg	gtagacgcgc	ctccgctcat	cgcctctccc	catcggtttc	180
cgcgcgaaaa	gccggggcgc	ctgcgctgcc	gccgcgcgt	ctgctgaagc	ctccgagatg	240
ccggcgcgta	ccgccccagc	ccgggtgccc	acactggccg	tcccgcccat	ctcgctgccc	300
gacgatgtcc	gcaggcggct	caaagatttg	gaaagagaca	gcttaacaga	aaaggaatgt	360

gtgaaggaga	aattgaatct	cttgacagaa	tttctgcaaa	cagaaataaa	gaatcagtta	420
tgtgacttgg	aaaccaaatt	acgtaaagaa	gaattatccg	aggagggcta	cctgggctaaa	480
gtcaaatccc	ttttaaataa	agatttgctc	ttggagaacg	gtgctcatgc	ttacaaccgg	540
gaagtgaatg	gacgtctaga	aaacgggaac	caagcaagaa	gtgaagcccg	tagagtggga	600
atggcagatg	ccaacagccc	ccccaaaccc	ctttccaaac	ctcgacgccc	caggaggagc	660
aagtccgatg	gagaggctaa	gcctgaacct	tcacctagcc	ccaggattac	aaggaaaagc	720
accaggcaaa	ccaccatcac	atctcatttt	gcaaagggcc	ctgccaaacg	gaaacctcag	780
gaagagtctg	aaagagccaa	atcggatgag	tccatcaagg	aagaagacaa	agaccaggat	840
gagaagagac	gtagagttac	atccagagaa	cgagttgcta	gaccgcttcc	tgcagaagaa	900
cctgaaagag	caaaatcagg	aacgcgcact	gaaaaggaag	aagaaagaga	tgaaaaagaa	960
gaaaagagac	tccgaagtca	aaccaaagaa	ccaacaccca	aacagaaact	gaaggaggag	1020
ccggacagag	aagccagggc	aggcgtgcag	gctgacgagg	acgaagatgg	agacgagaaa	1080
gatgagaaga	agcacagaag	tcaacccaaa	gatctagctg	ccaaacggag	gcccgaagaa	1140
aaagaacctg	aaaaagtaaa	tccacagatt	tctgatgaaa	aagacgagga	tgaaaaggag	1200
gagaagagac	gcaaaacgac	ccccaaagaa	ccaacggaga	aaaaaatggc	tcgcgccaaa	1260
acagtcatga	actccaagac	ccaccctccc	aagtgcattc	agtgcgggca	gtacctggac	1320
gacctgacc	tcaaatatgg	gcagcaccca	ccagacgcgg	tggatgagcc	acagatgctg	1380
acaaatgaga	agctgtccat	ctttgatgcc	aacgagtctg	gctttgagag	ttatgaggcg	1440
cttccccagc	acaaactgac	ctgcttcagt	gtgtactgta	agcacggtca	cctgtgtccc	1500
atcgacaccg	gcctcatcga	gaagaatatc	gaactcttct	tttctgggtc	agcaaaacca	1560
atctatgatg	atgacctgtc	tcttgaaggt	gggtgtaaat	gcaaaaatct	tggccccata	1620
aatgaatggg	ggatcactgg	ctttgatgga	ggtgaaaagg	ccctcatcgg	cttcagcacc	1680
tcatttgccg	aatacattct	gatggatccc	agtcccaggt	atgcgcccac	atttgggctg	1740
atgcaggaga	agatctacat	cagcaagatt	gtgggtgagt	tcctgcagag	caattccgac	1800
tcgacctatg	aggacctgat	caacaagatc	gagaccacgg	ttcctccttc	tggcctcaac	1860
ttgaaccgct	tcacagagga	ctccctcctg	cgacacgcgc	agtttgtggg	ggagcagggtg	1920
gagagttaatg	acgaggccgg	ggacagtgat	gagcagccca	tcttcctgac	gccctgcatg	1980
cgggacctga	tcaagctggc	tggggtcacg	ctgggacaga	ggcgagccca	ggcgaggcgg	2040
cagaccatca	ggcattctac	cagggagaag	gacaggggac	ccacgaaagc	caccaccacc	2100
aagctgggtc	accagatctt	cgatactttc	ttcgcagagc	aaattgaaaa	ggatgacaga	2160
gaagacaagg	agaacgcctt	taagcgcggg	cgatgtggcg	tctgtgaggt	gtgtcagcag	2220
cctgagtgtg	ggaaatgtaa	agcctgcaag	gacatgggta	aatttggtgg	cagtggacgg	2280
agcaagcagg	cttgccaaga	gcggaggtgt	cccaatatgg	ccatgaagga	ggcagatgac	2340
gatgaggaag	tcgatgataa	catcccagag	atgccgtcac	ccaaaaaat	gcaccagggg	2400
aagaagaaga	aacagaacaa	gaatcgcatc	tcttgggtcg	gagaagccgt	caagactgat	2460
gggaagaaga	gttactataa	gaaggtgtgc	attgatgcgg	aaaccctgga	agtgggggac	2520
tgtgtctctg	ttattccaga	tgattcctca	aaaccgctgt	atctagcaag	ggtcacggcg	2580
ctgtgggagg	acagcagcaa	cgggcagatg	tttcacgccc	actggttctg	cgctgggaca	2640
gacacagtcc	tcggggccac	gtcggaccct	ctggagctgt	tcttgggtgga	tgaatgtgag	2700
gacatgcagc	tttcatatat	ccacagcaaa	gtgaaagtca	tctacaaagc	ccctccgaa	2760
aactgggcca	tggagggagg	catggatccc	gagtccttgc	tggaggggga	cgacgggaag	2820
acctacttct	accagctgtg	gtatgatcaa	gactacgcga	gattcgagtc	ccctccaaaa	2880
accagccaa	cagaggacaa	caagttcaaa	ttctgtgtga	gctgtgcccg	tctggctgag	2940
atgaggcaaa	aagaaatccc	cagggctctg	gagcagctcg	aggacctgga	tagccgggtc	3000
ctctactact	cagccaccaa	gaacggcatc	ctgtaccgag	ttggtgatgg	tgtgtacctg	3060
ccccctgagg	ccttcacgtt	caacatcaag	ctgtccagtc	ccgtgaaacg	cccacggaag	3120
gagcccgtgg	atgaggacct	gtaccacagag	cactaccgga	aatactccga	ctacatcaaa	3180
ggcagcaacc	tggatgcccc	tgagccctac	cgaattggcc	ggatcaaaga	gatcttctgt	3240

```

cccaagaaga gcaacggcag gcccaatgag actgacatca aaatccgggt caacaagttc 3300
tacaggcctg agaacaccca caagtccact ccagcgagct accacgcaga catcaacctg 3360
ctctactgga gcgacgagga ggccgtgggt gacttcaagg ctgtgcaggg ccgctgcacc 3420
gtggagtatg gggaggacct gcccgagtgc gtccaggtgt actccatggg cggccccaac 3480
cgcttctact tcctcgaggc ctataatgca aagagcaaaa gctttgaaga tcctcccaac 3540
catgcccgtg gccctggaaa caaagggaag ggcaaggga aagggaaggg caagcccaag 3600
tcccaagcct gtgagccgag cgagccagag atagagatca agctgcccga gctgcggacc 3660
ctggatgtgt tttctggctg cgggggggtg tcggagggat tccaccaagc aggcattctt 3720
gacacgtgtg gggccatcga gatgtgggac cctgcggccc aggcgttccg gctgaacaac 3780
cccggctcca cagtgttcac agaggactgc aacatcctgc tgaagctggg catggctggg 3840
gagaccacca actcccgagg ccagcggctg cccagaagg gagacgtgga gatgctgtgc 3900
ggcggggcgc cctgccaggg cttcagcggc atgaaccgtt tcaattcgcg cacctactcc 3960
aagttcaaaa actctctggt ggtttccttc ctcagctact gcgactacta ccggccccgg 4020
ttcttcctcc tggagaatgt caggaacttt gtctccttca agcgtcccat ggtcctgaag 4080
ctcacctccc gctgcctggg ccgcatgggc tatcagtgc ccttcggcgt gctgcaggcc 4140
ggtcagtagc gcgtggccca gactaggagg cgggccatca tctggccgc ggccctgga 4200
gagaagctcc ctctgttccc ggagccactg cacgtgtttg ctcgccgggc ctgccagctg 4260
agcgtgggtg tggatgacaa gaagtttgtg agcaacataa ccaggttgag ctcgggctct 4320
ttccggacca tcacggtgcg agacacgatg tccgacctgc cggaggtgcg gaatggagcc 4380
tcggcactgg agatctccta caacggggag cctcagctct gggtccagag gcagctccgg 4440
ggcgcacagt accagcccat cctcaggggac cacatctgta aggacatgag tgcattgggtg 4500
gctgcccga tgcggcacat ccccttggcc ccagggtcag actggcgcca tctgcccaac 4560
atcgaggtgc ggctctcaga cggcaccatg gccaggaagc tgcggtatac ccaccatgac 4620
aggaagaacg gccgcagcag ctctggggcc ctcgtggggg tctgctcctg cgtggaagcc 4680
ggcaaagcct gcgacccgc agccaggcag ttcaacaccc tcatcccttg gtgcctgcc 4740
cacaccggga accggcacia ccactgggct ggcctctatg gaaggctcga gtgggacggc 4800
ttcttcagca caaccgtcac caaccccgag ccatgggca agcagggccg cgtgctccac 4860
ccagagcagc accgtgtggt gagcgtgcgg gagtgtgccc gctcccaggg cttccctgac 4920
acctaccggc tcttcggcaa catcctggac aagcaccggc aggtgggcaa tgcctgcca 4980
ccgcccctgg ccaaagccat tggcttggag atcaagcttt gtatgttggc caaagccga 5040
gagagtgcct cagctaaaat aaaggaggag gaagctgcta aggactagtt ctgccctccc 5100
gtcacccctg tttctggcac caggaatccc caacatgcac tgatgttgtg tttttaacat 5160
gtcaatctgt ccgttcacat gtgtggtaca tgggtgtttgt ggccttggct gacatgaagc 5220
tggtgtgtga ggttcgctta tcaactaatg atttagtgat caaattgtgc agtactttgt 5280
gcattctgga ttttaaaagt tttttattat gcattatatc aaatctacca ctgtatgagt 5340
ggaaattaag actttatgta gtttttatat gttgtaatat ttcttcaaat aaatctctcc 5400
tataaaccaa aaaaaaaaaa aaaaaaaaaa aaaa 5434

```

```

<210> 173
<211> 1817
<212> DNA
<213> Homo sapiens

```

```

<400> 173
ctgtcagaat ggccaccatg gtaccatccg tgttgtggcc cagggcctgc tggactctgc 60
tggctctgctg tctgctgacc ccaggtgtcc aggggcagga gttccttttg cgggtggagc 120
cccagaaccc tgtgctctct gctggagggt cctgtttgt gaactgcagt actgattgtc 180
ccagctctga gaaaatcgcc ttggagacgt ccctatcaaa ggagctgggt gccagtggca 240
tgggctgggc agccttcaat ctcagcaacg tgactggcaa cagtcggatc ctctgctcag 300
tgtactcaa tggctcccag ataacaggct cctctaacat caccgtgtac gggctcccgg 360
agcgtgtgga gctggcacc ctcctcctt ggcagccggg gggccagaac ttcacctgc 420

```

gctgccaaagt	ggaggggtggg	tgcggccgga	ccagcctcac	ggtggtgctg	cttcgctggg	480
aggaggagct	gagccggcag	cccgcagtgg	aggagccagc	ggaggtcact	gccactgtgc	540
tggccagcag	agacgaccac	ggagcccctt	tctcatgccg	cacagaactg	gacatgcagc	600
cccaggggct	gggactgttc	gtgaacacct	cagccccccg	ccagctccga	acctttgtcc	660
tgcccgtagc	cccccgcg	ctcgtggccc	cccggttctt	ggaggtggaa	acgtcgtggc	720
cggtggactg	caccctagac	gggctttttc	cagcctcaga	ggcccaggtc	tacctggcgc	780
tgggggacca	gatgctgaat	gcgacagtca	tgaaccacgg	ggacacgcta	acggccacag	840
ccacagccac	ggcgcgcgcg	gatcaggagg	gtgcccggga	gatcgtctgc	aacgtgaccc	900
tagggggcga	gagacgggag	gcccgggaga	acttgacggt	ctttagcttc	ctaggaccca	960
ttgtgaacct	cagcgagccc	accgcccatt	aggggtccac	agtgaccgtg	agttgcatgg	1020
ctggggctcg	agtccaggtc	acgctggacg	gagttccggc	cgcgggcccc	gggcagccag	1080
ctcaacttca	gctaaatgct	accgagagtg	acgacggacg	cagcttcttc	tgcagtgcc	1140
ctctcgaggt	ggacggcgag	ttcttgacac	ggaacagtag	cgtccagctg	cgagtcctgt	1200
atggtcccaa	aattgaccga	gccacatgcc	cccagcactt	gaaatggaaa	gataaaacga	1260
gacacgtcct	gcagtgccaa	gccaggggca	acccgtaccc	cgagctgcgg	tgtttgaagg	1320
aaggctccag	ccgggagggtg	ccgggtgggga	tcccggttctt	cgtcaacgta	acacataatg	1380
gtacttatca	gtgccaaagcg	tccagctcac	gaggcaaata	caccctggtc	gtggtgatgg	1440
acattgaggc	tgggagctcc	cactttgtcc	ccgtcttcgt	ggcggtgtta	ctgaccctgg	1500
gcgtggtgac	tatcgtactg	gccttaaatgt	acgtcttcag	ggagcaccaa	cggagcggca	1560
gttaccatgt	tagggaggag	agcacctatc	tgcacctcac	gtctatgcag	ccgacagaag	1620
caatggggga	agaaccgtcc	agagctgagt	gacgctggga	tccgggatca	aagttggcgg	1680
gggcttggct	gtgccctcag	attccgcacc	aataaagcct	tcaaactccc	taaaaaaaaa	1740
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1800
aaaaaaaaaa	aaaaaaa					1817

<210> 174  
 <211> 2545  
 <212> DNA  
 <213> Homo sapiens

<400> 174						
atccaataca	ggagtgactt	ggaactccat	tctatcacta	tgaagaaaag	tggtgttctt	60
ttcctcttgg	gcatcatctt	gctggttctg	attggagtgc	aaggaacccc	agtagtgaga	120
aagggtcgct	gttcctgcat	cagcaccaac	caagggacta	tccacctaca	atccttgaaa	180
gaccttaaac	aatttgcccc	aagcccttcc	tgcgagaaaa	ttgaaatcat	tgctacactg	240
aagaatggag	ttcaaacatg	tctaaaccca	gattcagcag	atgtgaagga	actgattaaa	300
aagtgggaga	aacaggctcag	ccaaaagaaa	aagcaaaaga	atgggaaaaa	acatcaaaaa	360
aagaaagtgc	tgaaagtgcg	aaaatctcaa	cgttctcgtc	aaaagaagac	tacataagag	420
accacttcac	caataagtat	tctgtgttaa	aaatgttcta	ttttaattat	accgctatca	480
ttccaaagga	ggatggcata	taatacaaaag	gcttattaat	ttgactagaa	aatttataaac	540
attactctga	aattgtaact	aaagttagaa	agttgatttt	aagaatccaa	acgttaagaa	600
ttgttaaagg	ctatgattgt	ctttgttctt	ctaccaccca	ccagttgaat	ttcatcatgc	660
ttaaggccat	gatttttagca	atacctatgt	ctacacagat	gttcacccaa	ccacatccca	720
ctcacaacag	ctgcctggaa	gagcagccct	aggcttccac	gtactgcagc	ctccagagag	780
tatctgaggc	acatgtcagc	aagtcctaag	cctgttagca	tgctggtgag	ccaagcagtt	840
tgaaattgag	ctggacctca	ccaagctgct	gtggccatca	acctctgtat	ttgaatcagc	900
ctacaggcct	cacacacaat	gtgtctgaga	gattcatgct	gattgttatt	gggtatcacc	960
actggagatc	accagtgtgt	ggcttttcaga	gcctcctttc	tggcttttga	agccatgtga	1020
ttccatcttg	cccgtcagg	ctgaccactt	tatttctttt	tggtccccctt	tgcttcattc	1080
aagtcagctc	ttctccatcc	taccacaatg	cagtgccctt	cttctctcca	gtgcacctgt	1140
catatgctct	gatttatctg	agtcaactcc	tttctcatct	tgtccccaac	acccacaga	1200

agtgccttct	tctcccaatt	catcctcact	cagtcacagct	tagttcaagt	cctgcctctt	1260
aaataaacct	ttttggacac	acaaattatc	ttaaaactcc	tgtttcactt	ggttcagtag	1320
cacatgggtg	aacactcaat	ggttaactaa	ttcttgggtg	tttatcctat	ctctccaacc	1380
agattgtcag	ctccttgagg	gcaagagcca	cagtatatct	ccctgtttct	tccacagtgc	1440
ctaataatac	tgtggaacta	ggtttttaata	atTTTTTaat	tgatgttggt	atgggcagga	1500
tggcaaccag	accattgtct	cagagcaggt	gctggctctt	tcctggctac	tccatgttgg	1560
ctagcctctg	gtaacctctt	acttattatc	ttcaggacac	tcactacagg	gaccagggat	1620
gatgcaacat	ccttgtcttt	ttatgacagg	atgtttgctc	agcttctcca	acaataagaa	1680
gcacgtggta	aaacacttgc	ggatattctg	gactgttttt	aaaaaatata	cagtttaccg	1740
aaaatcatat	aatcttataa	tgaaaaggac	tttatagatc	agccagtgc	caaccttttc	1800
ccaaccatac	aaaaattcct	tttccgaag	gaaaagggtc	ttctcaataa	gcctcagctt	1860
tctaagatct	aacaagatag	ccaccgagat	ccttatcgaa	actcatttta	ggcaaataatg	1920
agttttattg	tccgtttact	tgtttcagag	tttgtattgt	gattatcaat	taccacacca	1980
tctcccatga	agaaaggga	cgggtgaagta	ctaagcgcta	gaggaagcag	ccaagtcggt	2040
tagtggaagc	atgattgggtg	cccagtttagc	ctctgcagga	tgtggaaacc	tccttccagg	2100
ggaggttcag	tgaattgtgt	aggagaggtt	gtctgtggcc	agaattttaa	cctatactca	2160
ctttcccaaa	ttgaatcact	gctcacactg	ctgatgattt	agagtgtgtg	ccggtggaga	2220
tcccacccga	acgtcttatc	taatcatgaa	actccctagt	tccttcatgt	aacttccctg	2280
aaaaatctaa	gtgtttcata	aatttgagag	tctgtgaccc	acttaccttg	catctcacag	2340
gtagacagta	tataactaac	aaccaaagac	tacatattgt	cactgacaca	cacgttataa	2400
tcatttatca	tatatataca	tacatgcata	cactctcaaa	gcaaataatt	tttcaactca	2460
aaacagtatt	gacttgtata	ccttgttaatt	tgaaatattt	tctttgttaa	aatagaatgg	2520
tatcaataaa	tagaccatta	atcag				2545

<210> 175  
 <211> 15000  
 <212> DNA  
 <213> Homo sapiens

<400> 175						
ctgagatcac	accactgcat	taccagcctg	ggcgacagag	caagactctg	tctcaaaaac	60
aaaatacaca	cacaacaata	taatagtatt	tgtttgtttg	tttgtttttg	agatgcctcg	120
gattacagtg	cggggattac	agacgtgagc	catcaagccc	ggacaatatt	attatattgt	180
tcattgcact	cccacaacac	ccctaagggg	caggaacttt	tcttcccagc	cccctcccc	240
cgacccacc	gagagacagg	gtctcgctct	gtcgcccagg	cctggagtgc	attggcgaga	300
tcaaagctca	ctacagctca	gacctctggt	cctcaagcga	tcctccagcc	tgggcctccc	360
aaagcgctag	gattacaggc	gtgggccacc	gcgcctgacc	agtcttctct	tcttgcagct	420
gagccttaag	agcctgtcca	aagagcagag	gtgggctgaa	ggcacaagc	gaatgaaaga	480
ataggccccc	gggcaccgtt	gcacgcccc	cctcctccca	ggggcggtgc	actccagccc	540
ctcccgcaca	tgcgcactgg	gccttccacc	gcccccgccc	cccagcaaag	cccccgctc	600
ggagcatgcg	cgggccgctt	ggcgccaatt	gctgaccgcc	acagccacag	ccagggttag	660
cctcgccggt	tcccgggtgg	cgcgcgttcg	ctgcctcctc	agctccagga	tgatcggtcca	720
gaagacgctc	tactcctttt	tctccccag	ccccgccagg	aagcgacacg	ccccagccc	780
cgagccggcc	gtccagggga	ccggcggtgg	tggggtgctt	gaggaaagcg	gagatgctgg	840
ggtgaggcgc	ggcttggggc	ggggctaggg	ggtgaagggg	gaggaaagcg	gtggggccccg	900
cctgacggag	ggcgtgcagg	atcgcgctc	tgactcggtg	aaccggggct	ccgctttcca	960
aatagcctcc	acgtgttcaa	aatagccgcc	gctgtcccc	atgggcccgc	atgctaaagg	1020
gccagccaat	gggaacgcgt	ctcggggccc	atggcgccaa	tccgcgcgcc	gcaggccctc	1080
ctggctcggt	gcgctgtcca	atcagagggg	agagggggcg	ggaccacagag	ggaggttttt	1140
tgccgcgaaa	agaccacgtg	gggacgcggt	ggggcggttc	tggcgggggc	ggggcacctc	1200
tgtgcagggt	tcccagtcac	cgcgacgctc	ctcggaagc	catagggcgc	ctcccagccc	1260

gtctccccgc	tccagtttag	aacctaatte	ccaattcccg	gaccggggccc	agccctgggc	1320
tcttactgtc	cgcttttgct	gggacctgtt	ccacaaatgg	gcgtcttctg	ccttggggccg	1380
tgggggttgg	gccggaagct	gcggaacgct	gggaaggggc	cgctgcagct	cttgagccgc	1440
ctctgcgggg	accacttgca	ggccatccca	gccaagaagg	ccccggctgg	gcaggaggag	1500
cctgggacgc	cgccctcctc	gccgctgagt	gccgagcagt	tggaccggat	ccagaggaac	1560
aaggccgcgg	ccctgctcag	actcgcgggc	cgcaacgtgc	ccgtgggctt	tggagagagc	1620
tggaagaagc	acctcagcgg	ggagttcggg	aaaccgtatt	ttatcaagg	aaatatggaa	1680
atgcaccttc	cataagggta	aatgtggagg	ctgccggccc	ttttgtcttg	ttagtgtagc	1740
cggccaagtt	catgtttccg	taggcttagg	ttgtaccccc	ttcaacctcc	tttactcaca	1800
aagggggtaa	aagaaagcca	tgatgtttca	ctctgcagct	ttatattggt	taaagtgtgt	1860
aacgaccgcg	gagatgatat	catggattca	tttaagtcac	atagtctatt	gtccaggaaa	1920
ggctggcgta	gtaaaatcac	caaccatcct	gaatgaaacc	tggcttgagc	tttaaaaagc	1980
cgagaggagt	ggcactgtca	ggaccagcc	cagagaaaga	ggcaagggaat	tgacctgatt	2040
gaaccactta	ggtggggggg	caggcactgt	ttttgtttgt	tgttttttaa	aagaatttgg	2100
acataacatg	acaaagaact	aatgatgttc	caaataactt	gcactagaag	ctttctaatt	2160
gaattcttat	ggtttccaat	gagcaatctg	attttaagtc	tagtttatct	ttaaatcagc	2220
taatgggatt	tggtgcagaa	gaaagaaagc	attacactgt	ttatccaccc	ccacaccaag	2280
tcttcacctg	gaccagatg	tgtgacataa	aagatgtaag	tacaacttgt	tgataatttt	2340
tattggggag	aaggagtcaa	atagtatttt	taaattagg	acactggagt	taagccacag	2400
tccatcattc	agtagtaaat	aaaacactga	aatcccgagg	tttggctgac	tgtatttcag	2460
cctgtattta	ctctttttta	tgtttaccac	gtggtattta	tgtggcaaaa	aggaaaacta	2520
tgtacatcct	gtgctcttat	ttcttgtatt	ttttttaaat	cctgaaacta	acctcccgcg	2580
gtgtcagatg	ttatggtggt	ggtgaagttc	aaactgacac	acaaagcagt	aaatcttttg	2640
cagcttgтта	tagtcaaccc	caccttgacc	tgaccacact	gccttatagt	tagcactttc	2700
aagctcttga	cttctggcct	gaacagtttt	gtggttctgt	tatcagatcc	ctttgcttta	2760
gtttgtctta	tataacagtt	gctggttgtc	ggctctcatc	catcttgtgt	tcagaagtcc	2820
gtggggctgg	gcacggtggc	tcatgcctgt	aatcccagca	ctttcggagg	ccaaagtggg	2880
aggatcattt	gaggtcagga	gttcaagacc	aatgaaacct	ggtctctcct	aaaatacaaa	2940
aattagccgg	gcatggtggc	gcacgcctgt	aattccagct	acttgggagg	ctgaggtggg	3000
agaatcgcat	gagcccagga	ggcggagggt	gcagtgcagt	gagatcacac	cacttcactc	3060
cagcgtgggc	gacagagcca	gacctgtct	caaaacaaaa	aaaaaacctg	ggcttctcac	3120
tgttgaacta	tgaaagcaga	gcaaccctct	ttaaatagg	ccacgtccta	cctctcagcc	3180
ttacctccac	ctcccactct	cccactccag	agttggacag	tgtggcaaac	ccctccccac	3240
ttctgtctct	taaaaaatcaa	gtagatgcct	ctgtggcacc	tccttgaatt	gaagtccgtt	3300
gcctgccacc	tctgtgatcc	agttttctct	tgagctgcta	cgatgcattt	agcacctgct	3360
gacactggac	tttttaggttt	cttaccggtt	ttctctcccc	gttttgtaaa	ctggggcaag	3420
aatcttgtga	tttaatgaat	atctgtgaaa	tgacatagaa	gtgaaatagg	tgaataaatc	3480
atcttgataa	ggcagccaca	cctaataact	agaaaatctc	gtaagcttaa	tttttagagta	3540
agaatttaga	atctagctct	ttggttttga	agctaaatta	aatcctatta	agatcaatac	3600
taatttgctt	cttgtttgaa	tgccctattc	tgaataccag	taatcagtat	aaacagggaa	3660
tattaaaagg	aatattgtga	gggaatgctc	aaaaaccagt	ttcaaacctc	tgaggatcag	3720
atggggccagc	agggtctctt	gacagaccag	cattggggaga	gttgtttcac	aagagaatat	3780
gttggcatgg	tgtgaacacc	aaggggaggg	acaagaggtc	cccaaaagcc	tcctggtcat	3840
ggaacatctg	gagctggatt	ctgaaagata	gagtatgtca	gctgtggagg	aagattctaa	3900
gaacgcaatg	gcagaagctt	gagaatgaag	actaggtggg	tgggccctgg	atgggaagga	3960
cgaggcggcc	tatgtttcaa	cacctcccgt	gacaggaact	tcatttcatt	tcattgtctc	4020
ttgccaccta	ctcccatggc	ccttttgatc	tgacctcatt	ctcttctggc	tccacctggt	4080



agaggatata	ggggagcaga	caccctcata	tgctgctggt	gggaaatctg	aattgctttt	4140
tttttttttt	tttttttttt	gagatggagt	gcagtgggtc	aatctcggct	tactgcaacc	4200
tccacccct	gggttcaagc	gattctcctg	cctcagcctc	ccgagtagct	gggactacag	4260
gtgtgcgcca	ccacaccag	ctaatttttg	tttttttagt	agagatggg	tttcaccatg	4320
ttggccagat	ggtttcgata	tcttgacctc	gtgatctgcc	tacctcgccc	tcccaaagt	4380
ctgggattac	aggcgtgagc	caccatgcca	ggccctaaat	tgctttaatt	catcgaaaag	4440
taactggggg	ctaggcacag	tggctcatgc	ctgtaatccc	agcatttttg	gaggccgagg	4500
agggaggatc	ccttgatctc	aggaatttga	gaccagcctc	agcaacataa	gggaggccgt	4560
gtgtctacaa	aaagtaaaaa	aaaaattagg	tgggcatagt	ggtgcactcc	tgtgggcccc	4620
gctactctgg	aggctcaggt	gggaggacca	cttgagcccc	ggaggggcag	gctgccatga	4680
gctgtgatgg	caccactgca	catcagcctg	agcaacacag	caaaccctg	tctcaaaaaa	4740
ttaaaaaagc	agctaggtac	atatctttac	aagtttaaaa	tacgcttagc	ctttgaccag	4800
caactctgtt	attagcaatc	tatgccatag	aagtgtttta	tttgttttgt	ttatgtttgt	4860
ttgaggcagg	gtctgtgctg	cttacattac	agtattgttt	aattcctgac	ccctggtggt	4920
tcacaggtga	aggttgatc	cctgggacag	gatccatc	atggacctaa	tcaagctcac	4980
gggctctgct	ttagtgttca	aaggcctgtt	ccgcctccgc	ccaggtacag	ttgctttaca	5040
ggtgactgca	gtccagacat	gattcctttc	agatgtgtac	ttagcttatt	acaagtggga	5100
ctatctgggg	cactgttcac	tagccttgga	ggaggatttc	tggcctcag	caccattgac	5160
atltggggct	gagtcattct	ttgttggtga	ggaggagagg	agtcctgtgc	tattgcagga	5220
tcttggtcca	catccctggc	ctctaccact	ggaaaccagg	agcaaccccc	agctcgtgat	5280
aatgaaaaat	gtgcagacat	tgccaaaagt	cccttggggg	cgtaaaatca	cccctggtta	5340
agaaccactg	ctttggggcg	ggcgcggtga	ctcacgcctg	taatcccagc	actttgggag	5400
gctgaggcag	gagaatcgct	ggatcccggg	aggcggagg	ggcagtgagc	cgagatcctg	5460
ctactgcact	ctagcctggg	tgacacagca	agactggaaa	aaaaaaaaaa	agaaccactg	5520
cttttgagg	atltgggtga	tgatatacat	aaatatgcta	aggacagaaa	actgtccctg	5580
agcaacagt	ggggctctgg	ttgtaactgc	tgggttgatt	tacttaggtt	ttccagagt	5640
ctgttaaatc	caagtacaga	ctaaagtaaa	ggtctttggc	agagtcacct	gttagaagga	5700
ggactggcag	tgttgatctc	attaatcggc	gccatagtgt	ccagtgtccc	ttccaagggc	5760
tggctgtaac	ttctaaccct	ttcacatatg	tcttagacgt	tactgagctt	tcaaaattat	5820
gcttaagatt	ctgttttttg	tttttcttgt	ggcttgcttt	cagtttgagg	aacatttata	5880
aagagttgtc	tacagacata	gaggattttg	ttcatcctgg	ccatggagat	ttatctgggt	5940
gggccaagca	aggtaaagca	gcgactgcta	gatttttttt	tttttttttt	ttgagaccga	6000
gtctcactct	gttgcccagg	ctagagtgca	gtgggtgcaat	ctcagcttac	tgcaacctct	6060
gcctcccagg	ttcaggcgat	tctcatgcct	cagcctcctg	agtagctggg	accacaggca	6120
tgagccacca	tagctggcta	atlttttaat	gtatlttttag	tagagacagg	gtttcaccat	6180
gttgccagg	ctggtctcga	actcctgacc	tcagggtgatc	cgcccgactc	ggcttcccaa	6240
agtgtctggg	ttacaggcat	aagccaccac	gccagcccc	gactccattg	ttgatggtag	6300
tggctgctgc	cattatgccg	gctgcagcag	ggaagcacag	cttgctacac	tggatcccat	6360
caagcattgg	tttcatcatg	gatttagccc	ctgttgctgg	gtattgggct	gatttgccctg	6420
agcctacatt	taacctgttt	ctctcatgtg	tatagggtgtt	ctccttctca	acgtgtcct	6480
cacggttcgt	gcccataag	ccaactctca	taaggagcga	ggctgggagc	agttcactga	6540
tgagttgtg	tcttggttaa	atcagaactc	gaatggcctt	gttttcttgc	tctggggctc	6600
ttatgctcag	aagaagggca	gtgccattga	tagggatgt	tttgttttct	ttcttttttt	6660
tctttttttt	ttaacactat	aaaaacaatg	taaagaattc	taggagtccc	tgctgtgttt	6720
ggtcctggaa	aatccatgtt	ataaaataac	ttttatlttt	ccttaggcct	gttataaggg	6780
tttcccattg	aaaactgaga	agaatttgga	caaattatag	gggtgatgag	ttgtgtatga	6840
ggaaagcaaa	gcaactggcc	aacttgtagc	tgaatgcagt	tgggtgctgta	ggcatgaact	6900
tgggtgtctac	aagatacaag	tccctgggta	ccattcactt	aacaagtgat	ggatgaggca	6960

tgtttctggc	ttccaagaaa	tttggggaca	tatagaaaac	acaaagaatt	ccactcaatc	7020
acaaatttaa	cttgcccatg	aaaatactat	cagtgatcat	tattgtttgg	tttctggggt	7080
ttttgttttt	tgatggagtc	tcgctctgtt	gcccaggctg	tagtgagtg	gtatgatttg	7140
ggctcactgc	aacctccgcc	tgctgggttt	aagtgattct	gcctcagcct	cccagtagc	7200
tgggactaca	ggcgcccgcc	accacacccg	gctgattttt	ttttattttt	tagtagagac	7260
agggtttcac	catgttgccc	aggctgggtt	tgaactcctg	acctcaagcg	atctgtcctc	7320
ctcaacctcc	aaagtgctag	gattacaggc	atgagccacc	acacccggcc	tatcggtgat	7380
cattattaac	cccaaggtct	aattgcagat	acccaacacg	accaaaccag	tggtccctct	7440
ccctacatct	ccccctatc	tgctacctcc	ctctttccct	tactcactg	aagcattctt	7500
acacctgggt	gtggaaatca	gagacctaaa	agtcactcct	gaatcctcca	tcccatcagt	7560
aaatcccatc	aactctgcct	cccaaaacac	cccagtctac	tgcttctcat	tcgccactgc	7620
tgcccttcag	gcatgagtea	ccatcatctt	tctccaggag	aaccgtgatg	gactagagat	7680
ggaggcttga	tggagagccg	cagagtggag	gagggagaga	taggggggtg	gaaggagacg	7740
agccaggggt	gtgttcatcc	ctggcaaagt	ggagagacat	tgggtggggg	agaaattata	7800
gagtaaagtc	ttcaatgatc	gaaggcaagg	gcttagcaga	ggtaacctga	caatagtttt	7860
tgggtgatca	gcaggaggta	acgggggtat	cagaaatgtg	cacgtatatt	tacctctacc	7920
ttgtgtgggt	actaggttga	gcacttttgt	tttttgagat	ggagtctttc	tgtcaccagg	7980
gctggagtgc	agtggcatga	tctcggctca	ctgcaacttc	gcctcctggg	ttcaagcact	8040
tctcctgcct	cagcctcctg	agtagctagg	attacagtgt	cctgccacca	caccagcta	8100
atatttttta	tttttagtag	agactgggtt	tcaccatgtt	gacaaggctg	gtcttgaact	8160
cctgacctca	agcgatcctc	ccatcttggg	ctcccaaagt	gctaggatta	cagatgtaag	8220
ccaccgcacc	cgaccagggt	gagtactttg	catgcagaat	cttacttaac	tctcagaaag	8280
gctttgaggt	aggcatacac	ttgtatgagt	gacctaagat	ctgactggta	tgaactgcta	8340
agatgtgatc	atctaggtat	gtaagaagtg	tgctgagag	taattgctaa	tctctatccc	8400
ttagggaggt	ttacggccag	tgttgctctt	ccgcagtata	ttggtaatct	ttaatcatgg	8460
tttggctctga	aagtaaacag	ttgttaaagt	agcttgggtca	ttaaagccaa	attgcatatc	8520
tccagcccag	tgtctcttct	gatctgtgcc	ttgttactac	tgcccatga	acatgccaaa	8580
ttcaacattt	tccaaacgaa	gtttctcctt	ttctcatcca	tgcttacta	aacttctctc	8640
tctgcactcc	ctagcagcaa	aaagcaccat	catctgccca	gttgtccagc	cagatctatt	8700
actgacacct	gcctacctct	ctttctcccc	tcttctgtcc	tttttttcca	ccttcccagt	8760
cagtcagtca	ttcatatctg	tgttctttct	ttcccttcca	aatctacccc	tgctgacca	8820
cctttgcctt	cattcaggcc	ctcacctgat	cttgccctgga	gggttctgat	gctttctccc	8880
tgggaaggcct	tgcccttaggc	tgaagatctg	atttcagggg	ggtagggggg	ttggccccc	8940
atcggcctcc	cagacttaac	tctatccctc	tttgactcct	gatccctagg	ctgaccatt	9000
cccctttact	ttttcacggt	gccccacttc	cctgcctttg	catatcctgc	tttctctgcc	9060
tacagtgtag	aggtcatttt	cttctgggat	tctttagagc	tctgcagggc	tgacatttac	9120
aggggcctgt	gctgcttgcg	tgtgtgttca	gcatttgggt	tgcatgactt	cttatcacac	9180
tcagcccctg	tgatcctcat	ttgattggtc	acagtaactt	cataagctgg	gcggtattgt	9240
tattcccagt	ctacagatga	aaactgaagc	agcttagagt	tgagcaact	tctctgtggt	9300
acagctactg	agggtagagg	taggcctcga	ccccgggcag	tctggctcca	ggctctgtac	9360
tcttaaccac	actggattgc	ctggcttttag	ttccctctcat	cgccttccct	ggactgagcc	9420
ccttgaaggc	aagagtgttt	tgagaaacag	tgatttgttc	gttagttttt	atatacagaa	9480
aagaagagga	aaacaaaaat	ggtctatatc	ttcctgttaa	aataactata	gttgatattt	9540
taaaaaaatc	aaagtagtca	tttgccacat	aatgatgttt	cagtcataaa	ctgtatatat	9600
gacgatggtc	ccataagatt	ataatattct	ggccgggtgt	ggtggctcat	acctgttatc	9660
ccagcacttt	gggtggccga	ggcgagtggg	ttgtctgagc	tcaggagttt	gagaccagcc	9720
tgggcaacat	agtgaacccc	tgtctctact	aaaatacaaa	aaattagcca	ggtgtggcgg	9780

cgtgtgcctg	tagtccagct	acttgggagg	cagaggttgc	agttagctga	gatcatgcga	9840
ctgcactcca	gcctggcaac	agagtggagac	tctatctcaa	aaaaaaaaaca	tatatatata	9900
tacacatata	tatatacgta	tatatatata	cacatatata	tatacgata	tatatatatg	9960
tgtatatata	tatatacgta	tatatatatg	tgtatatata	tatacgata	tatatgtgta	10020
tatatatatg	tttttttttt	gagatagata	tatgtatata	tatatatacg	tatatatata	10080
tgtgtatata	tatatacgta	tatatatgta	tatatatgtg	tatatatata	tgtatatata	10140
tgtgtatata	tatatatacg	tatatatata	tgtgtatata	tatatatata	aaaaatattt	10200
ttactgcac	ttttctatgt	ttagatacac	aaatgcctac	catttgtgtca	cagttgccta	10260
tagtatttag	tacagtaaca	tgctacacag	gtttgtagac	caggagcaat	aagctacact	10320
atatagccta	ggtgtgtagt	ggtagggttat	cccatttggg	tttgtgtaaa	gatgcctgt	10380
ggtgtacgga	tagcagtga	attgcctaac	aacacacttc	tcagaatgca	tccctgtcat	10440
taggtgatgt	atgactattg	ctttttttct	tttgaaacag	ggtctagctc	tgtcaccag	10500
gctggaatgc	actggcttga	tctcaactca	ctgcggcctc	aacctcccag	gctcaagcaa	10560
tccctcccacc	ttagtccact	gagtagcagg	gaccacaggc	gtgcgccacc	acacctggct	10620
aattttttgta	tttttttttg	tggagacagg	gtttcaccac	gttgcccagg	ctggctcttg	10680
aactcctgga	cttaaagcat	cctcctgcct	cggcctccca	aagtgtctggg	attacaggcg	10740
tgagctacca	cacctggcca	ctgactattc	ctcttttttt	tttttttttt	ttttttctg	10800
agacagtttc	actcttggtg	cccaggctgg	agtgcaatgg	cgtgatctca	gttactgca	10860
gcctccccct	cctgggttca	agtgattctc	ctgcctcagc	ctcctgagta	gctgggatta	10920
caggcatgta	ccaccacatc	cagctaattt	tgtattttta	gtagagacgg	agtttcttca	10980
tgttggtcag	gctggtcttg	aactcctgac	ctcagggtgat	ccacctacct	cagcctccca	11040
aagtgtctggg	attacagggtg	tgagccacca	cgcccggcca	actattccat	ttttgtggcg	11100
agattttttt	gtttttgttt	ttgtttttta	attcttcctt	cttaggagct	gtaagactat	11160
tcagagagtt	cagaaaggca	caaaatggaa	agtaaatggc	ttccactctt	tctcttaaag	11220
gaactactaa	atacagtgtc	ttgggtattt	ttctaaagtt	tttaaaaaat	gaaattattt	11280
tgcattttgt	tcaattggta	aattttggag	gtcatctcat	cagtatatatt	atctttcgca	11340
tgtttttcta	ggagttatgt	ggttttacat	tgtagaact	ttagaaaaat	acatttagcc	11400
agttctgtaa	caactgaattg	tatactaggt	tttagctgac	ataagcagtg	tgtcagtcct	11460
tttatatgta	cctattttgtg	taggtacaac	tggtccctgg	cttatgaagt	ttgacctgat	11520
ttttttcgac	tttacaatgg	tgtataacca	tactttgagc	actcacacgt	tgtttttttt	11580
tctttcttta	agagacaggg	tctcttggtc	gggagcagtg	gctcacgcct	gtaatcccaa	11640
cactttgaga	ggccagggtg	gcggtactct	tgagctcagg	ggtttgagaa	cagcctgggc	11700
aacatagtga	gacctgtct	ctaaaaaaca	caaaaaatta	gcctggtgta	gtggcacgca	11760
cctgtggtcc	cagggtactca	ggaggctgag	gtgggagagt	aacttgagcc	taggaggtgg	11820
aggctacagt	gggccacagt	catgccacta	cactctagcc	tgggtgacag	agtaagacct	11880
catctcaaaa	aataaaaaat	taaaaaaaa	gatcttgctc	tgtcaccag	gctggagtgc	11940
agtggcacia	ttatagcttt	ttgcagcctc	gaactcctgg	gctcaagtga	tccctgccacc	12000
tcagtcttct	gtgtagctag	gactgcaggt	gcatgccatc	acacttggct	aactttttta	12060
tttttttgta	gagatgggtg	ctcgctatgt	tgcctcagtt	ggttgtaaac	tcttggctcc	12120
atgcagttgt	cctaccttgg	cctcccaaag	cactgggatt	acaggtgtaa	gccaccgtga	12180
ctggccccgt	tctatttttc	actttcagta	cagtgttcaa	tgagttacat	gaggtactaa	12240
acacttcatt	gtaaaagaag	ctttgttttg	cccagctgta	ggctaagtga	ggtgttctga	12300
gcatgtttta	ggtagggtag	gttaagctat	gatgttcagc	aggttatatg	tcataaatat	12360
atcttcaact	taggatattt	tctacttagg	atgggttttc	caagatgtta	accccatcca	12420
ttgtgttaat	aagttgagga	gtttatctgt	gtgtgtatgc	atcatggtgt	cctttagcaa	12480
atacagtctt	agcagtggaa	attgctggca	gtatgatagg	gacacttgaa	aattgcatag	12540
ataattgcca	acttgaaggc	agagggtgg	gctctttgca	tctcagagcc	tagcaaagg	12600
aggtagttgc	tcaacaaacg	gactaatgtt	ctaagtcaaa	tgctgaatgc	tccactttgg	12660

aagggggaga	atttagaggg	caaaggggaa	tcgcacaggg	tcttaaagt	caacagccac	12720
agtccttcct	ttttggggaa	aaaaaaaaaa	agtcgccggc	gggcatgggt	gttcacgcct	12780
gtaatcccag	cactttgggg	aggccaaggc	gagcggatca	cgagggtcaag	agatcgagac	12840
catcctggcc	aatatgatga	aaccccatct	ctactaaaaa	tacaaaaatt	agctgggtgt	12900
ggtaggcacgc	gcctgtatgc	ccagctactt	gggaagctga	ggcaggagaa	tcgcttgaac	12960
ccgggagggc	gaggttgtag	tgagtcgaga	tcacgccact	gcagcaagac	tctgtctcaa	13020
aaaaaaaaaa	aaaaaattta	aaaagtccca	aatctgccac	catttattct	tgatcttttt	13080
cagaagcggc	accatgtact	acagacggct	catccctccc	ctttgtcagt	gtatagaggg	13140
ttctttggat	gtagacactt	ttcaaagacc	aatgagctgc	tgacagaagtc	tggcaagaag	13200
cccattgact	ggaaggagct	gtgatcatca	gctgaggggt	ggcctttgag	aagctgctgt	13260
taacgtatct	gccagttacg	aagttccact	gaaaattttc	ctattaattc	ttaagtactc	13320
tgcataaggg	ggaaaagctt	ccagaaagca	gccatgaacc	aggctgtcca	ggaatggcag	13380
ctgtatccaa	ccacaaacaa	caaaggctac	cctttgacca	aatgtctttc	tctgcaacat	13440
ggcttcggcc	taaaatatgc	agaagacaga	tgaggtcaaa	tactcagttg	gctctcttta	13500
tctcccttgc	ctttatgggt	aaacagggga	gatgtgcacc	tttcaggcac	agccctagtt	13560
tggcgccctgc	tgctccttgg	ttttgcctgg	ttagactttc	agtgcagat	gttgggggtgt	13620
ttttgcttag	aaaggtcccc	ttgtctcagc	cttgacgggc	aggcatgcca	gtctctgcca	13680
gttcactgc	ccccttgatc	tttgaaggag	tcctcaggcc	cctcgcagca	taaggatgtt	13740
ttgcaacttt	ccagaatctg	gccagaaat	tagggctcaa	tttcttgatt	gtagtagagg	13800
ttaagattgc	tgtgagcttt	atcagataag	agaccgagag	aagtaagctg	ggctctgtta	13860
ttccttgggt	gttgggtgaa	taagcagtg	aatttgaaca	aggaagagga	gaaaagggaa	13920
ttttgtcttt	atgggggtgg	gtgattttct	cctagggtta	tgtccagttg	gggtttttta	13980
ggcagcacag	actgccaagt	actgtttttt	ttaaccgact	gaaatcactt	tgggatattt	14040
tttctgcaa	cactggaaag	ttttagtttt	ttaagaagta	ctcatgcaga	tatatatata	14100
tatatatttt	ccagtccttt	ttttaagaga	cggctctttat	tgggtctgca	cctccatcct	14160
tgatcttgtt	agcaatgctg	tttttgctgt	tagtcgggtt	agagttggct	ctacgcgtag	14220
gtttgttaat	aaaagtttgt	taaaagtttg	ttttgtgcaa	gtgtcctttg	tgctgcccagg	14280
ccagggcatc	catggacgtc	cttgggctgc	cctttccctt	ggcgccctcc	agggttccca	14340
tagcaaccac	cgtctgcagg	aggggcccgc	cttgcccttc	ctccccgcc	tgcgcgtcag	14400
tggaacggcc	caaccctccc	ctggctgcgg	tgagcgctgg	gcccaccccc	cggcctggag	14460
cagcgcccca	actccgagca	ccgtggagca	ccggctgcca	gctgagaccc	cagaggggta	14520
actaacggcc	tgaggaaggc	atttcttcgg	ggaaacatgg	cgtgcccgtc	gtggctacgt	14580
tctgccaaagc	cctgtgacgt	tggaggggag	ccgcctgcat	cccccgctca	gccagtgttt	14640
ctagatccga	gacatctgga	actcggaagt	gaggccaggg	ctccaggaag	actccctgat	14700
gacgcactgg	cccgcagccc	aggctcaggt	agtgggggct	gtcaggatga	tctgtgggat	14760
ccccagtggt	ccgaagaaag	aagccacaat	tgtgtttttt	tttctttctt	tctttttctt	14820
tttttttttt	tgagcgagtc	tactctgttc	gctcaggctg	aagtacagtg	gcgcgatctc	14880
ggctcactgc	aacctctgcc	tccaggggtc	aagcaatcct	cccacctcag	cctcccaagt	14940
agctgggatt	acgagcatgc	actaccacgc	ccggctaatt	tttgtacttt	tagtatagaa	15000

<210> 176  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens

<400> 176						
cgggacgcgg	atgcagacgc	aggcggaggc	gctgacggcg	gggatggccg	gggtggccac	60
agctgccgcg	ggggcgtgga	cacagccgca	gctccggccg	gtggagctcc	cccagcgcac	120
gcgccaggtc	cgggcagaga	cgccgcgtct	gccgcagggg	gtcacgaatg	cggccgcaca	180
tattcaccct	cagcgtgcct	ttcccagccc	ccttgagggc	ggaaatcgcc	catgggtccc	240
tggcaccaga	tgccgagccc	caccaaaggg	tgggtgggaa	ggatctcaca	gtgagtggca	300



aggagtatat catttgcagt gcttgtattg gtttaaaatg taagatttta agatcctcta 2400  
acactgtact aaaacatttc aataaaatca ttctgactgc gttcaaaaaa aaaaaaa 2457

<210> 178  
<211> 1882  
<212> DNA  
<213> Homo sapiens

<400> 178  
gggcaggaag acggcgctgc ccggaggagc ggggcgggcg ggcgcgcggg ggagcgggcg 60  
gcgggcggga gccaggcccc ggcgggggcg ggggcggcgg ggccagaaga ggcgcgggcg 120  
cgcgctccgg ccggtctgcg gcgttggcct tggctttggc tttggcgggc gcggtggaga 180  
agatgctgca gtccctggcc ggagctcgt gcgtgcgcct ggtggagcgg caccgctcgg 240  
cctggtgctt cggcttcctg gtgctgggct acttgcctta cctggtcttc ggcgagctgg 300  
tcttctcttc ggtggagctg ccctatgagg acctgctgcg ccaggagctg cgcaagctga 360  
agcgacgctt cttggaggag cagagtgcc tgtctgagca gcagctggag cagttcctgg 420  
gccgggtgct ggaggccagc aactacggcg tgtcgggtgct cagcaacgcc tcgggcaact 480  
ggaactggga cttcacctcc gcgctcttct tcgccagcac cgtgctctcc accacaggtt 540  
atggccacac cgtgcccttg tcagatggag gtaaggcctt ctgcatcatc tactccgtca 600  
ttggcattcc cttcaccttc ctgttctga cggctgtggt ccagcgcac accgtgcacg 660  
tcaccgcgag gcgggtcctc tacttcaca tccgctgggg cttctccaag caggtgggtg 720  
ccatcgcca tgccgtgctc cttgggtttg tcaactgtgc ctgcttcttc ttcacccgg 780  
ccgctgtctt ctgagctctg gaggatgact ggaacttctt ggaatcctt tatttttgtt 840  
ttatttccct gagcaccatt ggccctgggg attatgtgcc tggggaaggc tacaatcaaa 900  
aattcagaga gctctataag attgggatca cgtgttacct gctacttggc cttattgcca 960  
tgttgtagt tctggaaacc ttctgtgaac tccatgagct gaaaaaattc agaaaaatgt 1020  
tctatgtgaa gaaggacaag gacgaggatc aggtgcacat catagagcat gaccaactgt 1080  
ccttctcttc gatcacagac caggcagctg gcatgaaaga ggaccagaag caaatgagc 1140  
cttttgtggc caccagctca tctgcctgcg tggatggccc tgcaaaccat tgagcgtagg 1200  
atttgttgca ttatgctaga gcaccagggt cagggtgcaa ggaagaggct taagtatgtt 1260  
catttttatc agaatgcaaa agcgaaaatt atgtcacttt aagaaatagc tactgtttgc 1320  
aatgtcttat taaaaaaca caaaaaaga cacatggaac aaagaagctg tgaccccgagc 1380  
aggatgtcta atatgtgagg aaatgagatg tccacctaaa attcatatgt gacaaaatta 1440  
tctcgacctt acataggagg agaatacttg aagcagtatg ctgctgtggt tagaagcaga 1500  
ttttatactt ttaactggaa actttggggg ttgcathtag atcatttagc tgatggctaa 1560  
atagcaaaat ttatathtag aagcaaaaaa aaaaagcata gagatgtgtt ttataaatag 1620  
gtttatgtgt actggtttgc atgtaccac caaaaatgat ttttttggga gaatctaagt 1680  
caaaactcact atttataatg cataggtaac cattaactat gtacatataa agtataaata 1740  
tgtttatatt ctgtacatat ggtttaggtc accagatcct agtgtagttc tgaaactaag 1800  
actatagata ttttgtttct tttgatttct ctttatacta aagaatccag agttgctaca 1860  
ataaaataag gggaataata aa 1882

<210> 179  
<211> 2969  
<212> DNA  
<213> Homo sapiens

<400> 179  
ctaaattacc cactacgttg cttgtatatt taaagttgga gttcgttgct aaagatggca 60  
gaccagatg tcctcactga agttccagca gcattgaagc ggtagccaa gtatgtgatc 120  
cggggatttt atggcattga gcatgccttg gccttggaca tcttgatcag gaactcctgt 180  
gtgaaagagg aggatagtct ggagctgctc aagtttgatc ggaagcaact tcgatcagtt 240  
ttgaataatt taaagggaga caagtttatc aaatgcagaa tgagggtaga gactgctgca 300  
gacgggaaaa ccactcgcca taactactac ttcacatatt atcgactct tgtaaatgtg 360

gtaaaatata	aactggacca	catgagaaga	agaattgaga	ccgatgagag	agattcgacc	420
aaccgggctt	ccttcaaatg	tcttgtctgt	agtagtactt	tcacagactt	agaagctaat	480
cagctctttg	atcctatgac	aggaactttc	cgctgtactt	tttgccatac	agaggtagaa	540
gaggatgaat	cagcaatgcc	caaaaaagat	gcacgcacac	ttttggcaag	gtttaatgaa	600
caaattgagc	ccattttatgc	attgcttcgg	gagacagagg	atgtgaactt	ggcctatgaa	660
atacttgagc	cagaaccac	agaaatccca	gccctgaaac	agagcaagga	ccatgcagca	720
actactgctg	gagctgctag	cctagcaggt	gggcaccacc	gggaagcatg	ggccacccaaa	780
ggtccttctt	atgaagactt	atacactcag	aatgttgtca	ttaacatgga	tgaccaagaa	840
gatcttcac	gagcctcact	ggaagggaaa	tctgccaaaag	agaggcctat	ttggttgaga	900
gaaagcactg	tccaaggggc	atatggttct	gaagatatga	aagaagggggg	catagatatg	960
gacgcatttc	aggagcgtga	ggaaggccat	gctgggcctg	atgacaacga	agagggtcatg	1020
cgagcactgc	tcattcacga	gaaaaagact	tctctgcca	tggtgggttc	agtgggggca	1080
gctgctccag	tgaccgctgc	caatggcgat	gactcagaaa	gcgagaccag	tgagtcagat	1140
gatgattctc	caccccgctc	ggcagctgtg	gctgtgcata	aacgagaaga	ggatgaagag	1200
gaagatgacg	agtttgaaga	agtagcagat	gaccccatg	tcatgggtggc	tggccgtccg	1260
ttctcctaca	gtgaagtgag	ccaacggcca	gagctagtgg	cccagatgac	accagaagaa	1320
aaggaagcat	atatagcaat	gggacaacgc	atgtttgagg	acctctttga	gtgagctttc	1380
cctaattctt	tctcctttct	ctaattgctca	gttcaaaaag	gaatgtctca	tctttgaaga	1440
aaagtattta	agtggctttc	tgcacctctt	gatgtaagca	actgtccatc	cttgtgcaaa	1500
gattgatggt	agagagcttg	acttttatgc	cagaaacttt	cccagcaagg	taggggtgctg	1560
agaatcctac	ccttccttgc	tgtcactaca	gtattaatat	tttactgtat	tttcttttct	1620
tttttttttt	tttttgga	tgaagtctca	ctcttgtagc	ccaggctgga	gtgcaatggc	1680
gtgatctcgg	ctcactgcaa	cctctgcctc	ctgggttcaa	gcgattctcc	tgcctcagcc	1740
tcccgagtag	ctgggattac	aggtgcctgc	caccatgcct	ggctaatttt	tgtattttta	1800
gtagaggcag	ggtttcacca	tgttagccag	gatgatctcg	atctcctgac	ctcatgatcc	1860
accgcctcg	gcctcccaa	gtgctgtatt	ttcttatctg	atttttttct	tgccttatta	1920
agacataatt	ttctcccttc	tgaaatgagt	gaggggaagt	cataaggtaa	atccttccca	1980
tccatctggt	tactacaata	ggttacaata	attcactgat	cacatccatt	ttatctgttc	2040
tagccaggca	ttccaaacaa	tttcttatac	tgtgcccac	caaagcagct	tgccaacagt	2100
caaatcactg	attgggggaa	aaaatcctga	aattttgctt	agaatttgag	catttcctca	2160
aaattgagat	ggatcaatat	gtaaggggag	gtgggagcgt	gtgtggaagg	gggagagata	2220
tacttgagtc	ttatgattaa	tgtctaaacc	agaatttgtg	tctttagaac	tgaccagact	2280
ggtagatttt	attgtattgc	ttaatgtctt	ttggtttgga	tttaggatga	tagaaaacag	2340
aagtataatt	ggtaaaccct	taggaagaaa	ttagaaaaac	atggacgtaa	gacaaaaagt	2400
ctctgtgaag	ggttgaagag	tgacaagcat	tggtaacagt	gccttagaac	tgtgtcagtt	2460
agtctgattt	ggaaatcctt	tatgtaaagc	tgagactggg	cctgggtttg	ttccctttgg	2520
tacagacctc	ttgtcagtg	tataaattgt	ttaatgaggc	cattccagca	gaaatcaaca	2580
gaataattga	ttactcttct	ctctctctgt	cactctccct	ctttctaaac	atcattgaag	2640
gctgtctctc	tttaattttg	tcagacacag	tatttttaggg	tgcattccagt	ataccattga	2700
gcattgtaac	ctcaggaaac	agttttatttt	gggttctgat	atgtagcatg	gtattttccc	2760
taaggcagaa	ctttaaaaat	aaagaacttt	cacacaaggg	tctgtaacaa	ttgtatatct	2820
tacaatat	ttccttgcat	tgtaat	aagtatttat	cattttatag	tacacatgta	2880
aagaatat	gagccttgta	tggagtgatg	tttcatttac	ctgggttgtg	ttaatgactg	2940
aatgttgaca	ataaatctgt	tttatactg				2960

97

<221> misc feature  
 <223> n=a,t,g or c

```

<400> 180
ccgccccag cccagcccc gccgggcccc gccccccgtc gagtgcata ggttgacgct 60
actttgttgc acctggaggg aagaacgtat gggagaggaa ggtgcgcggg ccgcgggggtg 120
tggggagcagg gcctggaggg ggtgccccggg cagcgtgggg cacgggaggg ggccgggtct 180
gccaggaggc cgcgcctgc ctccctccggg atgagctcgt ccttacgaag cccgcaggcc 240
cctccctgtc cccctccgc ccgggatccc cctccccggc ccccggcgag ctgccctcct 300
gcgggtctgg gggccctgg acccttttct ctctccac gtccccgc gaaggactcc 360
cagacactgc ccaccccgcg tggcctcca tccgctgct ctgtccacca cccgggcctc 420
gctggggcca ccctttatcc agtctcgga gaaagagcgg ctggggacac agccccgggt 480
cccagtggcc gcctgcccgg ctctgtgacc ttgagccagg cgctgacttc ctggtcctca 540
gtttccctt ctgtacattt ggaaactggg tagttgcccc cccggtgtcg gtgattgggg 600
gccagatggg tagagcggag ataggcgtcc aggaagccgg aggcgtgta ctgcgggagc 660
ctcatccact ctccctgtcc gtgccccaaa cccggtgcct gccctcagtc ttggctggga 720
gcatgactca tcctaaccct ctcttagacc ctttctcct cactggggcc caaggcgcag 780
tactgactg cagttagggt tcaaggactc cccagccta ggacagggtc tgggggcccc 840
tccttgatc tccttcgctg acctgtcact tagatccacc tggccccaag gcagggcctg 900
actccacacc tccccctgcc accaactctt cccaggccca tgaaaacctg attggggtag 960
gggcccacct tcctgtagcc cctgcctacc taaggtacct gcgtcttcac agagggtcag 1020
gctgttgtgg ccttgggacc tagctatgtg actgggcaag ccattgccatc tctggggctc 1080
agtctccct tctgtacagt ggagaggggc aggtctgggg cattttccag ggcccaccag 1140
ctccaagggt gccaggcccc aaggatgact aagcatcgtg tggctggcta gaggaggtgc 1200
caggcctccc tgggacagg gtctgggagt acccagctc gcagccctt ccccttgcca 1260
agccagggca ttcatgcca aggatctgtt agggccggca cctccaggct tccctgcctt 1320
gacctcccag ctggcttcag cccaggatgc actaatccag ccctgtccag tcctgcctt 1380
tgaaggggcc tcttagtact tcttcctggg caggagaggg aagaaaggag gctgtgatag 1440
gaatgtcacc cactgcctta tcctaagc cactgcttc tttctcctca tttacctgc 1500
cagatccaat gctatagcgg gaggatggac ctgactctcc tcctaagctg atacataggg 1560
aaacaggggc agagaagctt ggcaacctag tcagtatctc agcaagactc aggcagcgc 1620
cctttcttct cctatttggc acagcgactg ccctgcctgg gcgctgcaca tgtgcagtgt 1680
gcgaggattg gtgcagggt aggtatatgt ggggtgggca gggcaagctg ggctgcacc 1740
agatcacact tcctgagaat gcttcccaac tcccttccca cctgcagga agcgagttgc 1800
ccgtgtgtgc aagctgcggc cagaggatct atgatggcca gtacctccag gccctgaacg 1860
cggactggca cgcagactgc ttcaggtagg gtgggggtgc cagggcctgt gttgccctaa 1920
acaaggcctg ccagagagga caggctggc aaggaatggg ggaggccggg atatgcctcc 1980
tggtgccgtc ccctattgtg acttcgtggc cttaatttac catttatgac atgaggtgtt 2040
ttgactagaa aatccctaca ggccttctct ttgtcatttt atttatctat ttttttttct 2100
ttttgagacg gagtctcgt ctgtcaccca ggctggagta cagtgggtgc atcttggtctc 2160
attgcaacct ctctcctct ggctcacgca gttctcctgt gtcagcctct ggagtagctg 2220
ggattacagg cgtgcaccac cagcccagc taatttttgt attttttagta gagacgggtt 2280
ttgccatgtt agccaggctg gtctgaaact tctgacctca agtgatcttc ccacctcagc 2340
ctcccaaagt gctgggatga cagacataaa ccaccgctcc tggcctcatt ttattttctt 2400
ttatgtattt ttcttttttc gaaatggtct tgctctgttg cccaggctgg agtgagctg 2460
tgccatctcg gctcattgca acctccatct cccgggctaa agtgatctc ctacttcagc 2520
ctcccgagta gctgggatta taggtataca ccacaatgct cagctaattt tttaaatttt 2580
gtgtaaagac agggctctac tattgagacc caggctggct ttgaacttgt gacctcaagc 2640
aatctcctg ccttggcctc cgaaagtgt aggcttacag gcgtgagcta acgccttggc 2700

```

09954531.09101



ctctgttgtc	atcctagatc	tctgagatct	aaatcttaga	gaggatggga	gagacctcca	2760
attgagccag	tgcttgcaat	tcagccccct	gctggcaccc	agacaggggg	aagagttgga	2820
aggaatgtcc	ctcctgcctt	ctgggtgttc	atgctcttgc	agggagggaa	gacaaaccag	2880
gccttaagg	aaaccaggcc	accctcagtg	tcttcccagg	ctgcttgcca	acatgcataa	2940
cccagtcaca	ccagccccag	tgtccagaca	cacaccacac	ggtaggaaga	aagtagggtc	3000
agggttgtgg	cggaggataa	agagtacatg	aggacctgaa	ggtcacccag	taggaccatc	3060
ctgagaagcc	aggagcaggg	gtctacctgc	cttgagccag	agcagggcca	gagcaggggt	3120
ctcaaaggat	gtgagatttc	ctgggtagaa	aagtagagtg	gaggtggggc	gtggtggctc	3180
acacctataa	tcccatcact	ttttggggct	gaggtgggca	gatcacttga	gttcaggagt	3240
tcgagacaag	cctgggcaat	atggcaacac	cctgtctcca	ctgaaaatac	aaaaaattag	3300
ccgggcgtgg	tgcgcatgcc	tgtagtccca	gctactcaag	aggctgaggt	ggcagggtta	3360
cttgagcctg	ggaggtggag	gctgcagtg	gctatgatcg	caccactgca	ctctagcctg	3420
ggcaatagag	cgagacccag	tctcaatttt	taaaaaagaa	agaaagaaaa	acaaatgggtg	3480
tgggagagaa	ttacaggcat	agtcaccaa	cagcaagggt	caggggagaa	aactccataa	3540
aagggtagaa	ggtgaagctt	ctgggatgcc	cagcaggggt	caagacatcc	accactagga	3600
ctttatttta	ggcttctgcc	ttggtttatt	ttttggtttt	tggttttttt	gagacagtct	3660
tgttgtgtcg	cccaggctgg	ggagcagtg	cgcatccct	cctcactgca	acctccgctt	3720
cccaggttca	agcgattctc	ctgcttcagc	ctcccaagta	gctgggatta	caggtgtgca	3780
ccaccacgcc	cggctaagtt	ttgtattttc	agtagagata	gggttttgcc	atggtggcca	3840
ggctggcttc	gaactcctga	cctcaagtga	tctgcccgcc	tcagcctccc	aaaatgctgg	3900
aattacaggc	atgagccact	gcacctggcc	tcggtttggt	tttttggttc	ttcttttctt	3960
tttttttaca	cagggctctg	ctgtgtcacc	caggtctggc	tgcatgggtg	agatcatagc	4020
ccactgtagc	ctccagctcc	aactggttca	agcgatcctt	ctgactcagc	ctcccaaagt	4080
gctgggatta	caagcataag	ccaccatgcc	cagcctgttt	tttctttttt	aggaataacg	4140
tctaacgttt	tctaacattc	agtaaggga	aacccctgtt	ctaagtactt	tgcatagtta	4200
gatattagtg	ctgtctttgt	tttgccagag	agaaaattgg	gacacagaga	ggttaattct	4260
cttgatgaaa	gtcacacagc	cagtgagtga	aatgaacaca	ctcagtgtgg	ctgaaaggag	4320
acagacagca	tgccctggga	ttctgcatca	ggtgctcaga	aagaggcctt	cggggggcaa	4380
gagggctctc	aacaggcaga	ggaaaccatc	tgcacagcgg	tgggatgggtg	cggactgctg	4440
agggaacagg	aacagttccc	ttggaaggaa	cagaataagc	tgagggatcc	aacaagaaac	4500
aaagttgaga	ccgattcgtg	aagggccttg	aatgccaa	taaggagttt	cagaagtcag	4560
gatgggggtg	gtggctcatc	cccgtaatcc	cagcactttg	ggaggccgag	gcaggcagat	4620
cacttgacct	caggagcttg	agaccagcct	ggccaacgtg	gtgaaacccc	cgtctctact	4680
aaatattcaa	aaattagcca	ggcatgggtg	cacatgactg	taatccaagc	tactcgggag	4740
gctaaggaag	gagaatcact	tgaacctggg	aggcggaggc	tgcatgagc	tgagatcacg	4800
tactgcaact	ccagcctggg	agacagagcg	agactccatc	tcaaaaaaaaa	aaaaaaaaaaa	4860
aaatagaagg	gagtcggcag	aaagccaggg	aggggctggg	gtgacatgct	gttgaagaat	4920
gccatcccag	tgggccgggtg	gtggtatcta	ggcagggaag	ggactgtccc	agtaactcaa	4980
gggtctgagc	tcataggacc	tgacctggga	cagtgactga	ggatggagag	aatttcaggc	5040
agaagggaca	gtttttgggtg	agtattttgtc	atattggcta	ccatgcattg	agcactcttc	5100
atgctaattt	gttaaattctt	catcataact	ctatgaggga	ctgtatgtgc	ccagtttgca	5160
tgggagaaac	agagattcca	tgcaatcaag	tgctctgctg	aaggttgtaa	catctagagc	5220
tgggactaaa	accttctcac	tccacatcgc	cacagagtag	gaaaggcagg	ggctggcggt	5280
ggcacatgcc	tataatccca	gccctttggg	aggcggaggc	aggtggatct	cttgagccca	5340
ggagtttgag	accagtgtgg	gcaacatagt	gaaaccttgt	ctctacaaaa	aaattagctg	5400
agcatgggtg	tggtgcctgt	agtcccagct	actcaagggc	gctgacatgg	gagggttgct	5460
tgagcctggg	aggtggaggt	tgcatgagc	tatgatcaca	ccactgcaag	ccagcctggg	5520
tgacagagtg	aaatcccac	tcaaaaaaaaa	gaaagaaagg	aagaaagaaa	aaggcagggg	5580

cttcgggggag	ggcatgggca	ctggcgaaatg	gcaggggtgga	acctgaagcc	atctgggtttt	5640
ctaacctggg	cactgggggag	ttggtgggttt	gttgactctg	atggaattgg	gggtcatgtt	5700
ggggaggaga	catgctcatc	tgtgttgagc	tggaggggac	atgggctatc	catggtggct	5760
gtgtcctgcc	cagagctagc	catggggagcc	tgagtccagt	tggaggtagg	aaagtcagaa	5820
aaaacggccg	cctcgggagct	ggccctgaga	tggtagtggt	gatttgtgat	agggccaaga	5880
cgaatgaagg	gaagaacttt	ggggacccct	gtgtctgcgg	tgagggggga	gatggagcct	5940
tgggtgatgg	agagaggggtc	aggagtagag	ccacagaagc	cacaggagg	aagccgtgtt	6000
acaggatggg	tgtacctggc	tttgagtggt	cctgtcccaa	atcactcacc	aggagagggg	6060
tgagtccccg	ggtcagggca	gtaaagagga	ggcatgtttg	tgctgtccct	ggtgtagtga	6120
aactcaagaa	ggaagccagg	tgtagtggt	cacgcctgta	atcccagcac	tttgggaggc	6180
caaggcaggc	agatcacctg	aggtcgggag	tttgagacca	gtctggccaa	catggtgaaa	6240
ccccatctct	actaaaaata	caaaaattag	ccgggcctgt	tggtagggcg	ctgtaatccc	6300
agctactcag	gaggctgagg	cagaagaatc	gcttgaaccc	gggaggcagt	gattgcagtg	6360
agtcaagaat	cgcgccactg	cactctagcc	tgggtgacag	agcaagactc	catctcgaaa	6420
aaaaaaaaagt	ctcaatatgg	ggaaagatcc	actagaagta	agagccatgg	cttctacctc	6480
gtggcttgtg	ggtgtgatac	tcccaacagt	ccccaaagct	ggtgggtcctc	accgctgac	6540
agttagcaga	gcagctcaga	gggggtcact	gctcacctgg	gtgcatggct	gaccacagcc	6600
aggctggctc	ttagtgggat	gcccaggtg	ctagactctg	cttagtctcc	ctcgggcccct	6660
gggcttgagg	cattggggcc	ggcccagacc	tcatctcatg	cactgagacc	tttgttcag	6720
ggccctcac	ccctctgaag	gtgttcgggc	aggggcaatg	tgataaggcc	atgaggggtc	6780
tgcagcctcc	agccccactg	gggaggtggc	cagtgatttc	caccttctctg	gcccctctgc	6840
atgcccctcc	cagtggaaact	tcctaggggtc	cctgagtcag	tcacttgcaa	ataattatgg	6900
cgtgccact	ctgcattagg	cccctctcac	aacaaccag	taaggggggtg	ctatttatatt	6960
attaaagcga	tttttttttt	gagtctcgct	ctgtcgccca	ggctggagtg	cggtaggcga	7020
atctcggctt	actgcaagct	ctgcctccccg	ggttcacacc	attctcctgc	ctcagcctcc	7080
caagtagctg	ggactacagg	cgcccaccac	cacaccggc	taattttttt	ttgtttgttt	7140
gtatttttag	tacagacgag	gtttcgctgt	gtgagccagg	atggtctcga	tctcctgacc	7200
tgtgatccg	cccacctcag	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	7260
ccggcaatat	taaagcgatt	ttaaaggcaa	ggctggtaac	tcacgcctgt	aatcccagca	7320
ctttgggagg	ctgaggcagg	aggactgctt	gaggccagga	gtttgagatc	aacctaggca	7380
acatagttag	actccatctc	tacaaaaaaa	ttagccaggc	gtggtgggtgc	gtacctgtag	7440
tcccagctac	tcaggaggct	gagatgggag	gatcatttga	acccaggatg	tcgaagctgc	7500
agttagctgt	gatcacgcca	ctgcactctg	gcctgggcaa	cagagcgaga	cactgtctca	7560
aatttttaaa	aagcgatttt	acaaatgagg	tgtagagtcc	agtcacttgc	caaaagtctc	7620
acagcgctg	aggagtagaa	tcaggactcg	aaccgaggca	gcctggcttc	agagcctaca	7680
gtgtaaccac	agcttagtcc	cacacctccc	agaccaacag	ggtccttgc	ttctagtggg	7740
caagacactc	agtgaacaaa	tgtagtgtca	ggtattgggg	gacagcactc	tcaggaagtg	7800
atgtttaagg	gacagaattg	aaggaggcag	tgtttagagg	atgtcggggg	tagggccggt	7860
gcatgtgcaa	aggccttggg	gtgggaatgt	gcttggcaca	actgaggacc	acaaagccag	7920
cgtgcgggag	tgtagtcagt	ggccaggggt	gcatagagcc	ttgtggggcc	cgtggaaggt	7980
gccgttggct	gtacactttt	tttttttttt	tttttttttt	tttttgagac	agagtctcgc	8040
ttttgttgcc	caggctggag	tgtagtggtg	tgatctcagc	tcactgcaac	ctccgcctcc	8100
cgggttcaag	cgattctcct	gcctcagctt	cctggtagct	gggactacag	gcgcccacca	8160
ccacacctgg	ctaatttttg	tgtttttaat	agagacgggg	tttcaccatg	ttagccaggc	8220
tggcctcaaa	ctcctgacct	caagcgatct	gtctacctca	gcctcccaaa	gtgctgggggt	8280
tacaggcatg	agccactgcg	cacaggcagc	tgtgcatctt	tgaatgtcat	aacctgagca	8340
tctgagagct	gctcctgtcc	cctggcccct	gctcttgagg	aagtcaccag	ctgataggac	8400

agacaggggtc	ataagtgtctg	tgatggggggc	ctgcaggctg	ctggaggggct	cagccggggac	8460
cagatgtctgc	ccctctttgt	agagtggggac	aattgtctgca	ggcccatggg	acctctgggta	8520
ttagccctga	gggttgtcac	tccggggcct	gcccctttct	gtgttctgac	ctcccagccc	8580
cttgacaggcc	ccgcctcccc	gaaggttatg	accaggcttg	gactgggtcca	ggcttccctt	8640
tggtcacat	actgcctctg	cgaggteccc	tccaggaagc	ctcctgtgca	caacccccag	8700
ggctgccgca	tccctggtag	catctccttg	gcagctgggt	gggctggccc	tgggcaagga	8760
gggctgagca	tgctgtctggc	ctgtgggggt	ggagcagcgg	cgggatgcaa	cctccctttc	8820
ttcagggggac	ctttttggcg	aagacaaact	gtccatagga	agtgcacctc	tgttcccttg	8880
ggggcagcag	tggaagaggc	agctgctttt	gagcttgccc	ctgtccccag	agaagcctga	8940
ggccttcagt	gccgttgcca	ggggcagagg	tgaggagcct	acagcgtgtg	ttcaggactg	9000
agggccaggg	acgggcacag	gctccctgcc	tgggggtccaa	gcctagatcg	ctcgctcccc	9060
acccgcacca	aagcccaggc	aaagggtgct	tcagccactt	cctgttgag	gctcagacca	9120
agtccccctgg	caccacgcg	gctgcagctc	ctcctgtgcg	ctgcagccac	gctggcccca	9180
ccctctgcag	cctccaatcc	tgagcccctg	agggaggatg	gggaagcagc	tggtctggcc	9240
acccctgccc	tcccttagac	ctccagagcc	cccagtgtag	ccacagagga	tgctgttggc	9300
ttcagcccca	agaagacgcc	gcttctctca	gagggtctaa	taagtgggaa	tccccctccc	9360
tacttgtcct	gggtctcagg	cagggccccc	ggtgtaaggc	ctgggctgga	agccgaccca	9420
cctaggtcca	ggctctgggg	cagaactgaa	actccttgg	tactgtcggc	tgagctggg	9480
agcaggccac	tccaaagctg	tgggtccttc	caggacagtc	tcccatgag	gccggtcctc	9540
cacctgtgt	ttcttcacac	ctgggtggcca	gggatgtggc	cctgggtaga	acgatgattc	9600
tccactcctg	tcattatgga	agccaccgct	gtctcccagc	ccagccagcc	acctgggctg	9660
cagagcaccc	ctttcatgcc	ctccgggtgc	ctcccccttc	tcctgcccc	gcctggcttt	9720
gtcctaccct	gctctcagg	aggggtaccc	tggagtgggg	ccagggcatg	gctctcccc	9780
gagggagtgc	ctctctggct	gtccccagg	cagctctgca	cagcctcagt	acctggcgca	9840
cctcccttga	catccttctt	agggacagtc	agggactctg	tgtggggcac	tcaagagagc	9900
caggcccgtc	agcctctagc	tcctgccaga	atgcaggcct	gaggggtgag	gggcggggca	9960
ggggcagggg	cagggacagg	aactccggct	tgctctccat	ccgcaaagg	tactgaggc	10020
cccagacccc	agccactgag	ccaccaagtc	agcctgggcc	aggcctgggt	gccctgtctg	10080
caatggaggc	agagacgggg	tctcggggca	gttctgagga	tgctgggtgc	acagcggggg	10140
cctcgccggc	aggaatcact	tatgtctctt	cctggggcaa	gctttgtgga	tgcccagcct	10200
ggggccgcgg	ggagctggca	ggtcagtggc	agacactggt	gggcagacct	agtgtctggt	10260
agaacaggca	tcaaggaagt	ggtgaccgga	gggaagccaa	gtgcactcaa	accctcgggt	10320
gagtcacac	cgccgggtct	ttcacagctg	ctgaaagtga	gcaacagtga	tgaaggtttg	10380
tgagtttctg	cgtgagcgag	tgaatggacc	agtagcagtt	tccaggttgt	ggaagagcgt	10440
tccctccccg	ggatggggac	acttggttac	agcaattcct	aatccccac	ccaccaccg	10500
cccactgcag	aggtatgcgg	gggcctgct	tcctgcaggc	aggagtgagg	ggcactcctg	10560
tgatgtggca	cccctgtgac	cgaggctcatg	tgtgatcggt	gtaagggcag	gaagcgagtc	10620
attggtctgc	accaggcgtg	ggggcttctg	cgagggcagg	acccaaagtc	ggcctggcct	10680
cccggctgca	gcactccttt	ccctttcgaa	ttaggttaga	gccctgggac	gggaggtgcc	10740
ctgtagacca	ccccctcac	caacttccgt	cctccgcccc	accccgcg	tgatccgggtg	10800
aactgccggc	cccctgctgt	gcaccgagtg	gggcagtgac	cctgacgtgg	cgtctcctgc	10860
cgccccctgcc	accgccacca	cctccgggtg	cccagcctcc	gcattcccca	ccccatgga	10920
ggaatgcacc	aggcctccct	tcctggatgc	acccctcacc	cacatgcttc	caaaccctgg	10980
cattttctgc	tcccccttta	ctcccacccc	ttcccctagg	ctcccagaca	aaggggaact	11040
ggctggatcc	tcttaaagg	acagtgtccc	accagcttac	tgctgaactc	ccctcctcaa	11100
ccccagttcc	ctagttacag	ttaattagca	ttagcagaca	gcccagatg	gatacccatg	11160
caggccccag	gctgtggaga	gtttcctggg	taggaaacag	cccttaagg	ccctcatctc	11220
atccaggtcc	cagtctttcc	tacctgcctc	tctcctagat	tgtggccctt	tgagcctgg	11280

ttcttctgtc	cctgtgtgac	cgacacatag	cacccaaaca	gtggcagagc	gggacggacc	11340
ccctagcctg	ttctctgtgt	gggtctgtac	cctgacccag	acatgcccc	ccacagcagg	11400
accaggggg	gcacatgtgt	gcctgcggt	tactggggc	acccgcattt	ggtttatttt	11460
atTTTTtaga	gagaggtct	tgctgtgtca	cccagctgga	gtgcagtgg	gtaatcatag	11520
cacactgcag	ccttcaactc	ctgggctcaa	gcgactctcc	ctccccagcc	tccctagtag	11580
ctgggagtac	aggaccact	gtatcctggc	taatttttta	ataatttttt	aagagatggg	11640
gtcttactgt	gttgcccagg	ctggcctcaa	acctctggcc	tcaagtgaac	ctcccacctt	11700
cgctcctga	agtgtgaga	ttacagcatg	agccaccatg	cccatcccag	actgacattt	11760
ctatatttgt	tcactctggc	tgggcagggc	tgctggctcc	caccaccgg	gatgcttggc	11820
tgggaaaaag	ccgggaatgt	aggtctaacc	ctggcctgtg	ttgtggcacc	tacagcctgg	11880
cattcctccc	catctgcct	tcaaggcccc	accaaccagg	cctccttgg	agcctctagt	11940
gaggaaacag	gcgaaccgtg	gctttgatga	ccctgcacac	ctggggattc	tctctatttt	12000
ttctttttct	tttttttttt	tttgagaca	gagtctcact	ctgtcgccag	gctggagtgc	12060
agtggcacaa	ttttggctca	ctgcaacctc	tgcctcccag	gttcaagcga	ttcttctgcc	12120
tcagcctccc	gagtagctgg	gattacaggt	gccaccacc	atgcctggct	agtttttgta	12180
tttttagtgg	agactgggtt	ttgccatgtt	ggccaggctg	gtctcagact	cctgacccca	12240
agtgatctgc	ccacctcggc	ctcccaaagt	gctgggatta	caggtgtgag	ccaccgcttt	12300
gggaggccga	ggtgggcgga	tcacgaggtc	aagagctcaa	gaccatcctg	gccaagatgg	12360
tgaacccca	tctctactaa	aaatacaaaa	aattagctgg	gcatggtgg	gtgtgcctgt	12420
agtcccagct	actcaggagg	ctgaggcagg	aggatcactt	gaacctggaa	ggcagaggtt	12480
gcagtgagcc	gagatcgagc	cactgcactg	cagcctggcg	acagagcaag	actccgtctc	12540
aaaaaacaaa	caaaaagaaa	acttgttcta	attcttacia	aggtgcctgt	agccgaggca	12600
gcggcccagg	tgaggtggag	gagggcgga	gtggacgtct	cagcccggcc	cctctcctgc	12660
aggtgttgtg	actgcagtgc	ctcctgtctg	caccagtact	atgagaagga	tgggcagctc	12720
ttctgcaaga	aggactactg	ggcccgtat	ggcgagtctt	gccatgggtg	ctctgagcaa	12780
atcaccaagg	gactggttat	ggtgagcgcc	ccctgccttg	cacactcacc	tggggtgggg	12840
gtatccaagc	agaccccatg	ctccaggtct	ctctcccatc	attgtctctc	ctggtctcct	12900
ttttgctgg	ctttggagct	gctttctgag	cctgactgtc	tgtctgtatc	cctcagcgcc	12960
cccatctatg	gagccagctc	tgtccaggag	ctcagcagct	ggccagccgg	gtccctgcag	13020
ttgttttttt	ggtgacaccc	ttggaagagg	cctaggggag	gatctgtggg	ggttgttggg	13080
tctgtgagc	tgggtgttc	cctcctcacc	ccgcaccag	gtggctgggg	agctgaagta	13140
ccaccccgag	tgtttcatct	gcctcacgtg	tgggaccttt	atcgggtgacg	gggacaccta	13200
cacgtgggtg	gagcactcca	agctgtactg	gtgagtgcct	tggccctctc	ctgagcctag	13260
gaggccacc	tgtgtcacag	atctgcaagg	gtgctgactc	tcccacaccc	gggcctcctg	13320
ccctttccca	tggggtgagg	tttgttgggg	caaagtgtca	tatctccttt	cccatcccgg	13380
catggaaaca	agtgagaaat	aacacacaga	agtcaagtgtg	aaaaagcctc	agacggccag	13440
gcatgctggc	tcacgcctgt	aaaccagca	ctttgggatt	ccgaggtggg	tggatccctt	13500
gaggctagga	gttcaagacc	agcctggcca	acatggtgga	accccatctc	tattaaaaat	13560
acaaaaatta	accaggtgtg	gtggcggtg	cctgtaatcc	cagctactca	ggaggctgag	13620
gcaggagact	ctcttgaaac	tgggaggtgg	aagtgtcagt	gagccaagat	tgcaccactg	13680
ccctccagcc	taggcaacag	agcaagactc	tgtctcaaaa	cagaaaacct	cagacgtcag	13740
ctttcttact	ggccatgact	gcagcatggt	gctggcacia	accaccagag	gtggggtgga	13800
tgccacaagt	taaggacacc	atcccagca	taactgtctc	ctcttttagac	accagccaca	13860
agttcagggg	tccccacccc	actcacactt	ctgaccgact	ggctacaaat	tcaaggactc	13920
ccaagaccct	gccaagtttg	atcgtttgct	aacagactca	cagaactcag	gaaatcctcc	13980
atTTTTatcc	cagttttatt	atgaaggaca	cagctcaggt	ccgaccaa	gaagaagcat	14040
ctccctccc	tcccttagca	catcaatgtg	atcaccaacc	aggaagcttc	actgagcttc	14100

agcagccaga	gttttttattg	ggattttcatt	acatcgtcat	gactgattga	gtcattggcc	14160
gtatgatcaa	gcttagtctc	tagcccccgt	tcttgagggt	caggctggat	gaaagctgca	14220
accctcttca	aatcacatga	tgtatctttg	cggggctgag	tcatctcatt	agtatcaact	14280
caggaatagt	ctgaggggct	catgaataac	aaagataccc	cattccaagg	acttagagtc	14340
tcctctccag	gaatcaggac	aaaaccagga	cagattcttt	cttatacaac	actgatcaag	14400
ctggattaga	ggacaacgtg	gcttgatccc	agatgggctt	ttaatgactt	cctcctgaac	14460
tggatttatc	ctcaggcctt	gtcctggccg	ccttacagga	tcacagcgag	tagacagacc	14520
cgaatgactc	agagggacga	gggctggctg	ggcacgcaca	gttcttgctc	ccagttccat	14580
aggaagagtg	aaagaaaaga	aagctggcca	ggtgcagtgg	ctcaccctta	taatcccagc	14640
actttgggag	gccaaaggcag	gcagatcacc	tgaggctctgg	agtttgaggc	cagcctggcc	14700
aacatggtga	aaccgtctct	actaaaaata	agaaattagc	caggcatggt	ggtgcttgcc	14760
cgtaatccca	gctactcagg	aggctgaggc	aggagaatcg	cttgaacca	ggaggcggag	14820
gttacagtga	gccaaagatca	caccactgca	cttttgagaca	attgctagct	ttccttttct	14880
tttgagacag	agtcttgctt	tgtcaccag	gctgggggtgc	agtgttgtaa	tcaacagagt	14940
gagactccat	ctcaaaaaaa	aaaaaaaaaa	ggaagggatt	gggggaagag	cctgggggctg	15000
ggggctgcag	agatgctgaa	attgatgacg	cccttgacac	tcttttcttc	ccaccccggc	15060
ggctcttgca	gcgggcactg	ctactaccag	actgtggtga	cccccgcat	cgagcagatc	15120
ctgcctgact	cccctggctc	ccacctgccc	cacaccgtca	ccctggtgtc	catcccagcc	15180
tcatctcatg	gcaagcgtgg	actttcagtc	tccattgacc	ccccgcacgg	cccaccgggc	15240
tgtggcaccg	agcactcaca	caccgtccgc	gtccaggggt	gagtggccgg	cctgccgagg	15300
ctgccgtcgg	tgtggctatg	gctgttgatg	tgggtggcag	agtctggcac	tgggggcccct	15360
gaaaatgaat	gggcgagtg	ttgggtacag	atggggccca	gttctgacaa	cctggtttgc	15420
cagattttctg	gccagtcct	tcctctgaat	accattacaa	atgccagata	caataaaaag	15480
acattttcaa	ccgggcatgg	tggcccacac	ctgtaatctc	agcacttcgg	gaggccgaag	15540
tgggtggatc	acctgaggtc	aggagttcga	gaccagcctg	ggcaatgtgg	tgaacccccg	15600
tctctactaa	aaatacaaac	gtagccaggc	atggtagtgt	gtgcctatag	tgccagctgc	15660
ttgggaggct	gaggcaggag	aatcacttga	accaggagg	tggaggtttc	agtgagcccc	15720
gactgccatt	gcactccagg	ctgggcaaca	agagtgtaac	tctgtatcaa	aaaaataaaa	15780
ataaaaaaaa	cacactcaaa	aaataaaaag	acattttctt	tagtccatgt	ctgatccaac	15840
aagaaagagg	aggaaccaag	tcaagaatga	gtgaagaagc	tgggcgcagt	aactcacacc	15900
tgtaatctca	gcactttggg	aggccaaagt	gagaggatca	cttaaggcca	gaagtttgag	15960
accagcttgg	gcaacatagc	gagacctgca	tgtctacaaa	aaaaaaaaaa	aaaattaaaa	16020
attagccagg	catggtgaaa	tactgaaca	cataaaggct	gggcatggtt	gctcacactt	16080
ataatcgaaa	cactttggga	ggctgagatg	ggaggatcac	ttgaggccag	gagttcgaaa	16140
ccagcctggg	aaacattgta	gtcacagcta	cttgggaggc	tgaggcagaa	ggatctcttg	16200
agcccaggaa	gtggctacag	tgagctataa	ttgcacgact	gcactctagg	ctgggcaatg	16260
gagcaaaacc	ctgtctcaaa	aaaatggggc	agggctgata	aagattagat	tactgtgtga	16320
ctttgagcag	ctgctttctc	tctaggcttt	gggggtctgt	ttgaacaatg	agggagttgg	16380
ataccttggg	gcttttctaag	atctctgtgg	cgcttttatt	gacaccttga	gaagtagcat	16440
gcagtgtttc	tacttttggg	caattggtca	cttctttttt	tttgagacag	tctcactctg	16500
tcgcccagtc	tggggtgcag	tgggtgtgata	ccagctcact	gcaacctcca	cccacaagg	16560
tcaagcaatt	cttgcacctc	agccccctga	gtagctggga	ctacaggtga	ccacatgtgg	16620
ctaatttttg	tatttttagt	aaagacagg	tttcaccatg	ttggccaggc	tcgtttcaaa	16680
ctcctgggct	caagtgatcc	tccttctctg	gcctcccaaa	gtgccgggat	tacagggtgtg	16740
agccaccgtg	ccgggcccaa	gtgctagctt	tctctctctc	tttttttttt	tttcgagacg	16800
gagtctcgct	ctgtcgccca	ggctggagtg	cagtgggtgtg	gtctcggtc	actgcaagcc	16860
ccgcctcctg	ggttcacgcc	attctcctgc	ctcagcctcc	cgagtagctg	ggactacagg	16920
cacctgccac	catgcccggc	taattttttt	tttatattta	gtagagacag	ggtttcacca	16980

tattaggcag	gatggtctcg	atctcctgac	ctcgtgatcc	gcccgtctcg	gcctcccaaa	17040
gtgctgcgat	tacgggcatg	agccaccacg	cccggcccta	ccaagtgcta	gcttttcattt	17100
gacgcagtga	atgtttcttg	tacacctggc	aggtgcctgg	cactgcatag	gcactgttga	17160
gatgtgaagg	tggccctggg	gacagaaaat	tatactgggc	ttgactgtgt	gtctccatcc	17220
cttgacatca	gccaagccag	cagctgcttt	acatacatga	tgagcagaca	gctgcttgaa	17280
agagatgagg	aaactcccag	accaacggct	cttaccagag	ggccaaggga	ggtccccaca	17340
gagtcagagg	ctgcagctgg	tccctgaaat	ccaggcagaa	ttttagaaat	gaagacagtc	17400
agctgggtgc	agcggctcat	gcctgttate	tcagccactt	cggagggctg	aggtgagagg	17460
attgcttgag	cccaggaggt	ggaggctgca	gcaagctatg	atgacaccat	gcattccagc	17520
ttgggcgaca	gagcgagacc	ctatctctaa	aataaaaaatg	aagaagacag	ttaatgacgt	17580
ctcctccctg	tctgcctcac	tgggtaagca	ttcgcccagc	caacatctgg	aacatcccag	17640
ttctgcaaag	agccacaccc	ttcccagaaa	gagcccaact	tgccaaagat	ttactttattt	17700
gttttaaaact	ggtttttagtt	gaccgctttt	catttttgtgt	atagcagcgt	tttaaggaag	17760
gtctaattta	tccaggccac	ctgctgcttt	agcaaaccac	gggagaggat	gtgagattct	17820
aaggaattta	catatgtatg	tcatatatat	atatatatat	agacacacaa	tttttttttg	17880
agacagggtc	ttgctctgtc	atacaggctg	gagtgcagtg	gccaatcata	gctcactata	17940
gcctcagatg	cctgtgctca	agcaatccac	tcacctcggc	ctcctgagta	gtgagactac	18000
aggcacacac	caccacaccc	agctaatttt	ttaatttttt	gtagagactg	agtcttgctg	18060
tgctgcccag	gctagtcttg	aactcctggg	ctcaagcaat	cctcccacat	tggcttccca	18120
aagtgtcagg	attacaagcg	tgagccacta	tgcttggttt	atttttaagg	ttatatgcat	18180
gcaaagcctg	tatcaatgaa	aatattttct	ttggtttttt	tcaacttttc	atcttcgcat	18240
tttgagatt	tatagaaaat	ttgctaaaat	aataagtcca	ttgaatacat	acacaccctt	18300
caccaagggt	caccaattcg	taactgccat	atttgggagt	tatatgtgtg	tctctctata	18360
tatacatata	tggatacaga	tacatatata	tgtttagtga	cttgtttata	tttgtacata	18420
catgtacatg	ttgttattta	ttgatcggtt	gggagtaagt	tgacagggatc	attgactccc	18480
ccacaattat	gctagatatt	ctcaaaaaga	ggaccttctc	tttttttttt	tttttttttt	18540
ttttttggag	acagggtatc	actgtcattg	aggctggagt	gcagtgatgc	gatcacagct	18600
cactgcagcc	tcaacctccc	aggctcaagt	gacctcccca	cctctgcctc	ccaagtagct	18660
gggactacag	gcacgggcca	ccacgcctgg	ctaggcattc	tgttatgtaa	ttatccaatt	18720
gtatcttata	gttcagtgat	cacattttgg	aaatgtaaca	ttgataccat	tatctaatac	18780
acagaccata	ttcaaatttt	gcctattgtc	tctatactga	actactgaac	tgtcctttat	18840
agcaatctcc	ccctcatcca	cagtcacagtc	catgatcaac	attgcattta	atcgtcatgt	18900
gtcatcagta	tctttttttt	tttttttttt	gagacggaat	tttgcctctg	ttgcccagggt	18960
tggagcgcaa	tggcgcaatc	ttggcttatt	gcaacctccg	cctttgggct	taagtgatcc	19020
tctgctca	gcctcctaag	tagctgagat	tacaggcgtg	caccattatg	catgcctaata	19080
ttttgtattt	ttattagaga	cgggggtttta	ccatgttgcc	ctggctgggc	ttgaactcct	19140
gacctcaaat	gatccaccca	cctcagcctc	ccaaaatgct	gggttttacag	gcatgagcca	19200
ctgctgctgg	ccatttcctc	agcctttcat	tgcccttcat	gatcttgaca	tttttggaagt	19260
gtacaggcca	gtcattaaag	taaaatgttt	ttcctttttt	tttttttttt	ttttaaaaag	19320
agacagggtc	tactgtgtt	gcccaggctg	gtctcagact	cctaggctca	agtgatcctc	19380
ccgcctcagc	ttcccaaagt	gctgggatta	caggcgtgag	ccatcgtaac	tgccctcgca	19440
tttggttttg	actgatgttt	cctcttaggg	agacaggctc	tgacaggtttg	gcctgatact	19500
gcataagtga	tcctctgtcc	ttccgagtgg	atcttgccag	gagacatatg	atgtcagtgt	19560
gcccttggct	gaggatgttc	actttgatta	cttggttttt	ctgtactgta	aggatttttt	19620
tccctttgtc	atcaataaac	cattttgtgag	atttgagtct	gtaaatatcc	tgttcccaaa	19680
aacccttccc	caaatgattt	gagcatctat	tgatgattct	tgccctgtagc	gattattact	19740
aggggtggcta	ccaaatgctg	aattttctaac	tctgttcttc	cttctgcatt	tgttactgta	19800

aggaagagct	tctcccccat	acgagaatag	tcttttttgt	tgcttggttg	tttttttgag	19860
atagggctct	actctgttgc	ccaggctgga	gtgcagtgac	atgatcatag	ctcactgcag	19920
cctcgacctc	atgggctcaa	gcgatcctcc	tgccctcagcc	tctcgagtag	ctgggactac	19980
aggcagcacc	accatgcctg	gctaattttt	tattttttgt	aatggtgagg	tctcactatt	20040
ttgctcaggc	tgggtctcgaa	ctcctgacct	caagtgatct	tcccacctca	gcctcccaaa	20100
tagctgggat	tacaggagtg	tgccaccatg	ctcagctaat	tttctgtaaa	aaatgtcata	20160
gagatggggt	cttgctatgc	tgcccaggct	ggtctcaaac	ccctagtctc	aagcaatcct	20220
cccaccttgg	cctcccaaag	tgctgggatt	ccaggcatga	gccaccacac	ctggccctgt	20280
ttttcttaaa	gttctcagtc	tctctctgc	cttaccceca	tccccttttc	catctccagg	20340
acctagggca	gagacaaagt	gagcattccc	taaaaagctt	ttatgaggca	aaatgaaaac	20400
cagctcacgc	ctataatccc	agcactttgg	gaggccaagg	tgggtggatt	acctgaggtc	20460
aggagttcaa	gaccagcctg	accaacatag	agaaacccca	tctgtactaa	aaatacaaaa	20520
ttagccaggc	atggtggcac	atgcctgtaa	tcccagctac	tcaggagcct	gaggcaagag	20580
aatcacttga	acctgggagg	cggaagttag	aatgagccga	gatcactcca	ttgcactcca	20640
gcctgggcaa	caagagcaaa	actctgtctc	aaaaaaaaaa	aagaaaagaa	aagaaaacca	20700
ggtccctaac	accgaagagt	taaaagaaat	aagtaaattt	ggcaaattgg	tcttttttgt	20760
agttagctta	taggcaactg	atcgagggtc	tctttccgt	cttcaccctg	caattgtggc	20820
tcagggcaag	ctgccagctc	cctcctgcc	atgcaggagc	aatagagctt	ggcctcctct	20880
tgcagggcga	gtttgggagt	cagatatgaa	gccactaatc	cgggaccttt	ttgggaccca	20940
aggcactcat	ctgccccaa	cataccaggc	aggccagggt	caatgactca	tgtctgtaat	21000
cctagcactt	tgtttttgcg	acggagtctc	gctctgtcca	cccaggctgg	agtgcagtgg	21060
cagaatcttg	actcactgca	acctccacct	cccaggttca	agcaattcct	gcctcagcct	21120
cccaagtagc	taggactaca	ggcgcccact	gccacgctcg	gctaattttt	gtattttcag	21180
tagagacggc	gtttcaccat	gttggccagg	ctggtctcaa	actcctgact	tcaagtaatc	21240
catccacctt	ggcctcccca	actggttgga	ttacagggtg	gagccactgc	gcccggccag	21300
tcctagccct	ttgggaggct	aaggcgggcg	gattgcatga	gctcaggagt	tcgagaccag	21360
cctgggaaat	gtggtgtaac	cccgctctcta	ctaaaaatac	aaaaaaaaatt	agctgggtgt	21420
ggtggtgtgc	acctgtaatc	ccagctactc	aggaggctga	ggtacgagaa	tcgcttgaac	21480
tcaggaggca	gaggctgcag	tgagctgaga	ttgtgccatt	gcactccagc	ctgggtgaaca	21540
gagtgagatt	ctgtctccaa	aaaaaaaaaa	aaaaaaaaatt	cgagacccaa	catacctggg	21600
atttggaagg	atagatctgt	tccccagggt	tggagacaat	ggtccattga	atgggaacag	21660
ctgagcatct	tgtgtgggtg	gccagtgcct	acaagcgtgc	cacctttctc	cagctcacac	21720
ctgtggcaga	catcagtaat	tgattacaga	attcctcccc	tgaaccaga	actcgggtgt	21780
ctggccatct	gctacttccc	agtcacacga	agtagaatcc	tccacctgct	caccctggat	21840
ctggtgccct	tcgccttgg	ttcctggttg	ggctctgagg	gacagggtgg	cactggcctg	21900
accctgcct	taccacaga	gtggatccgg	gctgcatgag	cccagatgtg	aagaattcca	21960
tcacgtcgg	agaccggatc	ttggaaatca	atggcacgcc	catccgaaat	gtgccctgg	22020
acgaggtagc	gtcctgagtc	tgtggggcag	gacgggaggt	agtgccttca	tgctagccc	22080
cctccccact	ccacccccat	tcacatgcct	gctgtcccca	gattgacctg	ctgattcagg	22140
aaaccagccg	cctgctccag	ctgaccctcg	agcatgaccc	tcacgataca	ctgggccacg	22200
ggctggggcc	tgagaccagc	ccctgagct	ctccggctta	tactcccagc	ggggaggcgg	22260
gcagctctgc	ccggcagaaa	cctgtcttgt	aagtcagcct	gctcctcggt	tcagctgggt	22320
gctttcactc	ctgctggggc	tcaggggctg	tgggacctag	gtcggggagc	cagccctgca	22380
caaatgcagc	ccaggcttga	gccaggggagg	tggaggctgc	agtaagctgt	catcacacca	22440
ctgctctcca	gcttgggtga	caaaacaaga	cccactctca	aaaaaaaaaga	ggaaacacac	22500
atTTTTTaaa	aagccggggg	cggggccagg	cgtggtggct	catgcctgta	atcccagcac	22560
tttgggaggc	cgaggcaggt	ggatcacctg	aggtcaggag	ttcaagacca	gcctggccaa	22620
catqgqaaac	ctcatcttta	ctqaaaatac	aaaaattagc	cgggcttggt	ggcaggtgcc	22680

tgtagtccca	gctactcagg	aggctgaggg	agatgaatca	cttgaaccca	ggagatggag	22740
gttgacagtga	gccaaaggtca	cgccactata	ctccagcctg	ggcaacagt	tgagactctg	22800
tctcaaaaaa	aaagaggatg	acagagcagg	atctgagggg	ttgaggggag	ctgggggctg	22860
ccactagagc	caggataggc	cgagacactg	ggatgggagc	cctttggact	gtcccaggcg	22920
ggccctccca	aagcaggggg	tgattgcata	gactggcatg	gacaggggca	tgacggcagg	22980
aggaggaagg	ggcagggcct	tggccgggtg	ctacctgtcc	cccgggtggca	cttggcacca	23040
tgtgtgcccc	ccaggaggag	ctgcagcatc	gacaggtctc	cgggcgctgg	ctcactgggc	23100
tccccggcct	cccagcgcaa	ggacctgggt	cgctctgagt	ccctccgcgt	agtctgccgg	23160
ccacaccgca	tcttcggccc	gtcggacctc	atccacgggg	agggtgctggg	caagggctgc	23220
ttcggccagg	ctatcaagg	acagagcatg	ccagggtctc	aggggacagt	ctgggtggga	23280
cccctccatc	ctccttcctt	cccagtctat	ggaaacacag	tggaaggggt	atctggcttc	23340
cagactccct	ggccagtgcc	ctctcctccc	ttggcctcct	ggagctaatt	aggaacaggg	23400
gacctcctac	aggtagactg	agaccttatg	tgcgggagg	cattgaaagg	tggtccttag	23460
ccaggcacag	tagtttatcc	ctgtaatccc	agcaccatga	gaggctaagg	ctgtaggatc	23520
gcttgagccc	aggaattcaa	gaccagcctt	gacatcatct	ctacaaaaaa	tttaaaaatt	23580
aattgggtat	agtgggtgat	gctgtgggtc	ccagctactt	gggaggctta	ggcaggagga	23640
ttgtgagcca	ggagttcaag	gctgcagtga	gctatgatca	tgccacagca	ctccagcctg	23700
ggcaatagag	caagacccca	tctcaaaaaa	aaaaaaaaaa	gacaagggat	taatacatcc	23760
catccacttg	ggtatttggg	aacatcccat	gcacagccta	gagtatgaag	ccatctgcac	23820
atctccctgg	cagtcctggg	gtggagatgg	ggcttcctag	aaggcgggct	tacagcagag	23880
cttctgtctt	cacacctctg	tgtcccacac	gcaggtgaca	caccgtgaga	caggtgaggt	23940
gatgggtgat	aaggagctga	tccggttcga	cgaggagacc	cagaggacgt	tcctcaagga	24000
ggtcagttag	cggaatgccc	tcttcctccc	agagggactt	ccagggtgctc	accctgccc	24060
catcaacaca	ggtcggaaaa	gggctctggg	aaccattgaa	agaagagcga	gcaggccagg	24120
catagtggct	cagcctgtga	atcccaacac	tttgggaggt	taaggagaga	ggatactttg	24180
agaccaacct	gggcaacata	gcaagacccc	gtctctacaa	aaaaatttta	aattaaccga	24240
gcttggcaat	gtgcacctgt	catcccagct	actcgggggg	ctgaggtggg	aggctcgctt	24300
gagcccagga	gttggaggct	gcaatgagcc	atgatcgac	cactgcactc	cagcctgggg	24360
aacaaggcaa	gaccctgtgt	ccaaaaaaaa	taaaagtaac	tgcatgtgtc	gggcatagt	24420
gctcacgcct	gtaatccag	cactttggga	ggctgagccg	ggcggatcac	ctgaggtcag	24480
gagttcgaga	ctaccctggc	caacatggca	aaaccccgct	tctactaaaa	atacaaaaat	24540
tagcccagca	tgatgggtgt	gagtgcctgt	catccaggct	actcaggagg	ctgaggcagg	24600
agaatttctt	gaactcagga	ggcggaggtt	gcagttagcc	aagatcgtgc	cgctgccctc	24660
cagcctgggc	gacagagtga	gactccttct	caaaaaaaaa	aaaaagaaaa	gaaaaagaaa	24720
agtaactgca	ggcaggggac	tgggaaaaag	agcatcgctg	ggggtggggg	cagctcaagc	24780
agagggcaca	ggacgccaga	gggtgtggca	gaggcaggag	aggggagctg	ggggttccgt	24840
atctttgaga	ccgcctacag	cccctgggtg	gatggaaaag	ggagaagcag	accaagcac	24900
agctgggacc	acacagagcc	cgggcccagc	ctgtttgtgc	cccgccagg	gaaggctcat	24960
cgatgcctgg	aacaccccaa	cgtgctcaag	ttcatcgggg	tgctctacaa	ggacaagagg	25020
ctcaacttca	tactgagta	catcaagggc	ggcacgctcc	ggggcatcat	caagagcatg	25080
gtgagtcctg	ggcagagcca	gccacccccg	ctgtgcggcc	ccgggcaaag	cagctccctc	25140
tgtgagcctc	agtctcatct	cttcaatggg	gggaagccac	aggggtctca	aaggccctct	25200
gaaccctgat	tcctaataca	aaaggggagc	gactgactcc	atctaaagct	aggaaaggcc	25260
agggtacaat	gtgcacacct	gttattctgg	cactttggga	gccaagggca	agaggatcac	25320
tcgaggccag	gaattcaagg	ctgcagttag	ctgtgatctc	accactgcac	tccagcctgg	25380
accacacagc	aagaccctat	ctcaaaaact	aaaataaaat	tcagagcttt	ccttaaggat	25440
ttgaataaaa	ttacaaatcc	atctttagaa	ataaagtgtc	caggccagg	gcagtggctc	25500



atgcctataa	tctcagcact	ttcagaggct	gaggccagca	gatcacctga	ggtcaggagt	25560
ccaagaccag	cctggccaac	atggtgaaac	cccgtctcta	ctaaaaatac	aaaaattagc	25620
tgggcctggt	ggcaggcacc	tgtaatccca	gcactttggg	agactgaggt	tggcagatca	25680
cctgaggtca	ggagttcgag	accatcctgg	taaccctgtc	ctactaaaaa	tacaaaaaat	25740
tagccgggca	aggtggcagg	tgccctgtagt	cccagctact	cgggagactg	aagcaggaga	25800
atggcgttga	accagggggg	cagagcctgc	agtgaGCCaa	gatcgcacca	ctgcgctcta	25860
gcctgggtga	cagcgagatt	ccgtctcaaa	aaaaaagcac	ttggaggaag	cctcacagag	25920
tcctgtgctg	gaccacaccc	tggggatcca	gtcctggcct	ccagcccat	ttctgtacca	25980
ccctgagacc	atgggatctt	cctcaggttg	gattaccttg	tatccaaggt	gtggacccta	26040
tgggctcctg	ctaggtgtaa	cttgacacaa	cgggttcctg	tgtcaggtgc	aatttagaaa	26100
ctctgggcta	ggccaagcgc	agtggctcac	acctgaattc	ccaaactttg	gaaggccgag	26160
gcaggagggg	cactagaggt	caggaggtca	agaccagctt	ggacaacata	atgagatccc	26220
aatcccctct	ctacaaaaaa	aattaaaaaa	ttagccaaat	gtggtgacac	atgcctgtgg	26280
ttccagctcc	acaggaggct	gaggcagaag	gatcacttga	gcacaggagg	tcgaggctgc	26340
actccagcct	gggtgataga	gtgagaccct	gtctcaataa	aaaataaaga	tctccaaggg	26400
gatgaggttt	gagaatgagg	cgtctcccc	aatgatttg	agcccaaagc	ccggttctcc	26460
tggcatggct	cagtgtctgc	actgcgcagg	tgacctgtct	gggcccttct	acctcttacc	26520
tgtctgtgaa	agtaggttct	aatttttttaa	aaacctagaa	agatgagttt	tttgtttttg	26580
tttttgtttt	tcccagatg	gagttttgct	cttactgtcc	agcctgaagt	gcaatggcgt	26640
gatctcggct	cactgcaacc	tccacctccc	aggttcaatc	gattctgcct	cagcctcccg	26700
agtagctggg	attacaggag	cccaccacca	caccgggcta	atttttgcgt	ttttagtaga	26760
gacagggttt	caccatgttg	gtcaggctgg	tctcaaactc	ctgacctcgt	gatccaacca	26820
ctctgacctc	ccaaagtgtt	gggattacag	gcgtgagcca	ccacacctga	cagaaagatg	26880
agattttata	gaaaataaat	atagcttggt	ttctcagagg	aggcagattg	ggagctatag	26940
aggaatatcc	ctgcttagag	tttgaaatca	gttctgttag	gaaataatgt	ttgtaggggc	27000
cgggtgcggt	ggctcacgcc	tgtaatgcca	gcactttggg	aggctgaggc	aggtggatca	27060
cttgaggtta	ggagtttgag	aacagcctgg	ccaacatggt	gaaaccctgt	ctctactaaa	27120
actacaaaaa	ttagctgggt	ttggtgggtg	acacctgtaa	tcccagctac	ttgggaggct	27180
gaggcgagag	aattgcttga	ggccgggtgc	agtggctcat	gcctgtaatc	ccaacactgg	27240
gaggccaagg	tgggcagatc	acctgaggta	aggagttaa	gaccagcctg	accaacatgg	27300
tgaacccccg	tctctactaa	aaatacaaaa	aattagctgg	gtgtgggtgg	gcatgcccat	27360
agtcccagct	actcaggagg	ctgagacaca	agaatcactt	gagccccgga	ggcgaagggt	27420
gtagggagct	gagatggtac	cactgcactc	cacctgggt	gacagagtga	gactccatct	27480
aaagaaaaaa	aaaaaaggaa	ataatgtctg	tgagctgtgt	tgactcatac	tccttagaag	27540
cagacagttg	tgggtgcccg	aagaaatcgg	ggtgttgggg	agcccaggga	ccctctagga	27600
cgcttgccct	ttcctgcctc	tgtctcatgc	aaccatccct	gccatcgggg	ccccaccggg	27660
ccccaccctg	gccattcttt	ctccatccca	ggacagccag	taccatgga	gccagagagt	27720
gagctttgcc	aaggacatcg	catcagggat	ggtgagttag	ccgggtgctc	tagctccatt	27780
cataatccca	ccaggaattt	gcaaacagaa	cccacaaaga	agctttgaaa	gagggcagag	27840
ggggtcgatg	ggagagtggg	aagaatcgtc	ccgactggcc	tgattggggg	gggagcagag	27900
ggagttcctg	gggagccagg	atgggctggg	gtccctctgc	acagctgccc	cctgactccc	27960
gtgtccccgt	ccctaggcct	acctccactc	catgaacatc	atccaccgag	acctcaactc	28020
ccacaactgc	ctggtccgcg	aggtgagtac	cagggcccca	cgtggctggg	tgtcaggaga	28080
cagcaggagc	ccatccaacc	ccagcctcag	ggccttccca	gaactggagg	ccctccatg	28140
ttgcctccat	gacttcaatt	tgaggtgggg	gtggggggca	gcagcccgtg	gggaagagcg	28200
cagggtcagg	aggcagacag	acctgggttt	gagtcctgtc	tctgccactg	actcatggtg	28260
gaccatcaga	gtcccaggct	ggtaggaggg	tctcataaat	caatgaagga	gaaagtgaca	28320
tgtaagctac	aaaggaccag	gaccgtggtc	ttcatagagc	acagcccatg	gcagagtggc	28380

catgggctac	accagacagc	accagcatct	ggggggccaca	gagtggggggc	ataggcgtat	28440
gggctggagt	ggtcagggca	ggcttcctga	aagaggaggc	ttggccagac	acagtggctc	28500
acacctgtaa	ttccagcact	ttgggaggcc	gaggcaggcg	gatcacgagg	tcaggagatc	28560
gagaccgtcc	tggctaacat	gggcactgtg	gtcacacct	acaatcccaa	cactttggga	28620
ggccgagggtg	ggtggatcac	ttgaagccag	gagttcaaga	ccagcctggc	caacatggct	28680
aacacggtga	aaccccatct	ctactaaaaa	tataaaaaat	tagccggggcg	tgggtggcagg	28740
tgctgtagt	cccaactact	tgggaggctg	aagcaggaga	atggtgtgaa	cccgggaggc	28800
ggaacttgca	gtgagccaag	atcgcgccac	cgactccag	cctgggtgac	agagcgagac	28860
tccatctcaa	aaaaaaaaag	aggaggcttt	aggtggatat	ttaagcaggg	gacgggcagg	28920
caaagagccc	agtgtctaag	gattgtcaag	ggaggagagc	ccggttctcc	acaaaaagca	28980
caggagcgag	taaccatgcc	catctggaga	ggtggtgtat	tcgtgtcctg	gggctgccat	29040
catgaagtac	tgtgaaccag	atggctcaaa	acaacagaaa	tgtgctgggc	acagtggctc	29100
acacctaaaa	ttccagcaat	ttgggaggcc	aaggcagggtg	gattgcttga	gctcaggagt	29160
ttgagaccag	cctgggcaac	attacgaaag	cccatctctg	ccaaaaatac	aaaacggaat	29220
agccagccgt	ggtggcataa	gcctatggtc	ccaactacct	gggaggctga	ggtgggagga	29280
tcacttgagc	ctgggaggta	gaggttgagc	tgagccaaga	ttgtgctact	ctactccagc	29340
ctgggagaca	gagccagacc	ctgtctcaaa	aaaacaaaac	aaaacaaggc	caggcactgt	29400
ggctcacgcc	tgtaatccca	gcactttggg	aggccgaagt	gggtggatca	cttgaagcca	29460
ggagttcaag	accagcctgg	ccaacatggc	aaaaccctgt	ttctactaaa	aattcaaaaa	29520
ttagcaggca	tgggtggcgca	tgctgtaat	cccagctact	cgggaggctg	aggcaggaga	29580
attgcttgaa	cccaggaggc	agaggttgta	gtgagctgag	attatgccac	tgactccag	29640
cctgggtgat	agagtcagac	accgtctcaa	aaaaaaaaaa	gcatcacatg	gcaagagggg	29700
ctgacaagag	acccccaaac	tgaccattat	acagaccac	tcttgatgata	actaacctgg	29760
tccttcaata	accattaat	ctgttaattc	atacagagcc	ctcatgacc	aatcacctct	29820
tacaggccct	gcctcttaat	accgttagag	tcaggccagg	catggtgaca	tgggcctgta	29880
gtcccagcta	gttggaaggc	taggtgggag	gatcccttga	gtccaggagg	taaatgttac	29940
agtgaactct	gattgtgtca	ctgcactcca	gcctgggcaa	cagagcgagc	ccctgttttt	30000
aaaacagcaa	caagccaggc	acagtggctc	acgcctgtaa	tccaacact	ttgggagact	30060
gaggcaggca	gatcacttga	ggtcaggagt	tcaagaccag	cctcaccaac	acagtgagac	30120
ccctctctac	taaaaataca	aaaattagct	gggcgtagt	gtgggtgcct	gtagtctcag	30180
ctactcatga	gactgaggca	gaattgcttg	aaccggggag	gtggaggttg	ctgtgagccg	30240
agatcacgtc	actgcactcc	agcaacagag	tgggactcca	tctcaaaaaa	aataaaaaat	30300
aacagagatc	tgtgttggct	tacacctgta	atcccagcac	tttgggagtc	caagggtgggc	30360
agattgcttg	agcccaggag	tttgagacca	gccaggcaac	atggcaaaaa	aataaaaaaa	30420
tttgtctcta	caaaaaaatt	aaaaaattag	ctggcatggt	ggtgagtatc	tatagtacca	30480
gctactcagg	aggtggagggt	gggaggatcg	cttgagcctg	ggaagttgag	gctgcaatga	30540
gctgtgttcg	tgccactgca	ctccagcctg	ggccacggga	gggagactct	gcctcaaaaa	30600
aaaaaaaaaa	aaatcaaacc	cgaaaagcaa	aaaacataga	cctcacctgc	ttattgggaa	30660
tattcaagat	aaaattaggc	caggcacgggt	ggctcacgcc	tgtaatccca	gcactttggg	30720
aggccgacgt	gggcggatca	cgaggtcagg	agatcgagac	catcctggct	aacacgggtga	30780
aaccccgctc	ctactaaaaa	tacaaaaaat	tagctgggca	tgggtggcagg	cgctgtagt	30840
cccagctact	tgggaggctg	aggcaggaga	atggcgtgaa	cctgggaggc	agagcttgca	30900
gtgagctgag	atcgtgccac	tgcaattcaa	cctgggcaat	agagcaagac	tccaactcaa	30960
aaaaaaaaaa	aaaaagataa	aattgggcca	ggtatggtgg	cttactcctg	taatcccagc	31020
actttgaaag	gctgaggcag	gtggaccact	tgaggccaga	agttgaagac	cagtctgggc	31080
aacatagcaa	gaccctatct	caatcagtca	atcaacctaa	ataaatagta	aatctggtgg	31140
catgccaaagc	acaggacctg	ggtctataat	caaaattcct	gtcttgatgg	gcacagtggc	31200

tcacacctgt	aatcccagca	ctttggtagg	ccacagtggg	tggatcacct	gagatcagga	31260
gttcgaaacc	tgctagcca	agtatggtga	aaccggtctt	tactaaaaat	acaaaaatta	31320
gccaggcatg	gtggcaggcg	cctgtaatcc	cagctactcg	ggaggggtgag	gcaggagaat	31380
cgcttgaacc	tgggaggcgg	agggtgcagt	gagccgagat	catgccactg	cgctccagcc	31440
tgggtgacag	agcaagactc	cgtctgaaaa	aaaaaacaaa	agaattcctg	tcttctctcc	31500
gaaacaaagc	agcatcagtg	cccccgagg	tgggagggag	cgcttgcagg	agggagcagt	31560
gggtccgcca	cgacgggtctg	gggagcaggt	ggggaggggg	cagaggggtgc	agcgtgtggt	31620
gggagggagg	aagccacact	gctatcttca	ggtgcttccc	gcagctccat	ttgcaaagag	31680
cggatgggtt	tggggaagga	aggggtcccc	accctgtgcc	aatacagcgt	atcagaggta	31740
tgttctctgg	gctgtctacg	ggttggcttg	gggtcctggg	gagggggcagg	ccaagcgggc	31800
agtactagga	tcgggtccca	gcatgacctg	gcttcacctt	cccagaacaa	gaatgtggtg	31860
gtggctgact	tcgggtctgg	gcgtctcatg	gtggacgaga	agactcagcc	tgagggcctg	31920
cggagcctca	agaagccaga	ccgcaagaag	cgctacaccg	tggtgggcaa	cccctactgg	31980
atggcacctg	agatgatcaa	cggtgagtg	ttcagccctg	cccatcatgg	ccctcacggg	32040
aagccatggg	ggagcccagg	agagctgtaa	cctcccaagc	ccctggcccc	tcccagcctc	32100
cttggtctct	cagttacctt	gtgggtcctg	ttgctcctat	aacacactta	gtggcagcca	32160
ggcacgggtg	ctcacgcctg	taatcccagc	actttgggag	gctgaggtga	gtggatcacc	32220
tgaggtcagt	agttggagac	cagcctagcc	aacatggtga	aacccccatt	ctttactaaa	32280
aatacaaaaa	ttagctgggc	atggtggcgg	gtgcctgtaa	tcccagctac	tagggaagct	32340
gaggcaggag	aatcgcttga	acctgggagg	cagaggttgc	agtgagccga	gatcgcgcca	32400
ttgcactcca	gcctgggtga	cgagcgaaac	tccatctcaa	aaaataaata	aatagaagac	32460
acttagtggc	ttaaataaat	gatcatacag	ttctggagtc	tgaagtccag	cgtcagcctc	32520
accgggctga	aatcaaggcg	ccggtagggt	gagctccttc	tgcaggctcc	ggggcacctg	32580
tttcttgacc	ttttctggct	cgtggaggct	tcttcattcc	tctgtttgct	gccccctcct	32640
ctgtcttcag	ggctggctgc	aaagcatctt	ctcttctctg	atctctgcat	ccatccccgc	32700
atctctttcc	ctggctctaa	ccttcctcct	tttttttttt	ttttttaaag	aggggtctcgc	32760
tctgttactc	aggctggagt	gcagtgggtg	caccatagct	cactgcagcc	tcaaccttct	32820
gggctcaaac	tgtcatccca	ccccagcctc	ctgaatagct	gggaccacag	gcatgcaaca	32880
ccacaccag	ctaatttttt	tattttttat	tttttatttt	tttttgagac	agagtctcgc	32940
tgtgtctccc	aggctagagt	gcagtggcgt	gatctcagct	cactgcaagc	tccgcctcct	33000
gggttcacgc	catttctcctg	cctcagcctc	ccgagttagt	gggactacag	gcgcccgcga	33060
acacgcctgg	ctaatttttt	gtatttttag	tagaaacggg	gtttcacctg	gttagccaag	33120
atggtgtcga	tctcctgacc	tcgtgatccg	ccggtctcgg	cctcccaaag	tgctgggatt	33180
acaggcgtga	gccaccgcgc	ctggccaatt	ttttaaat	ttaatagaga	cgggggtatc	33240
actatgttgc	ccaggctggt	ctcaaactcc	tggcttcagg	cgatcctcct	gccttgacct	33300
ttcaaagtgc	tggtattcca	ggcatgagcc	accatggccc	tccatccttc	tgatagggac	33360
ccttacggtg	acattgggcc	cacctggata	atccaaaagc	agccctccat	ctcaagacct	33420
tcaacttaat	cccattctgca	gagtcagatg	gaagggtggga	cgtatacaag	tcccagggat	33480
caggacgcag	tcatcttttg	ggatcatagt	tctgcctccc	acagggtctg	cttccctcag	33540
tccatttctt	tgtgttcaat	ggtcctatat	atgccagat	tataggttat	aaagtccttc	33600
tacaagcagg	tgacacatga	acacaggttc	agggcaggca	gacccagcc	atcacctcat	33660
catagttaac	ctagttaaat	tagcctggca	tgtggcgtgg	tgcctaatac	ctgtgggtccc	33720
agctactcag	gaagccaaag	cgggagattt	acttgagcca	aggagatcaa	ggctgcagtg	33780
agctatgatc	ataccactgc	cttctagcct	gggcaacgga	gtgagacct	gtctcaagaa	33840
aacaaaaaat	aggccaggca	cagtggctca	cacctgtaat	tccagcactt	tggtgaaacg	33900
aagcaggcgg	attgcttgag	gccaggagtt	cgagaccagc	ctggccaaca	tggtgaaacg	33960
ctgtctctac	tgaaaataca	aaaattaccc	gggtgtggtg	gcacagctac	tagggaggct	34020
gaggcaggag	aatcacttga	accaggagc	agaggttaca	ttgggccaag	attgcaccac	34080



gggccttgta	ctggacagat	catcgggcgg	gtgaacgcag	accctgacta	cctgccccgc	36960
accatggact	ttggcctcaa	cgtgcgagga	ttcctggacc	gctactgccc	cccaaactgc	37020
cccccgagct	tctaccccat	caccgtgcgc	tgttgcgatc	tggaccccca	gaagaggtga	37080
gtggggtggg	gccctggcct	gggagacggg	ggggccgatt	cccgggacag	ccagaccac	37140
cgttccccac	ccacctgtca	cccaggccat	cctttgtgaa	gctggaacac	tggctggaga	37200
ccctccgcat	gcacctggcc	ggccacctgc	cactggggcc	acagctggag	cagctggaca	37260
gaggtttctg	ggagacctac	cggcgcgggc	agagcggact	gcctgcccac	cctgaggtcc	37320
ccgactgagc	cagggccact	cagctgcccc	tgtccccacc	tctggagaat	ccacccccac	37380
cagattcctc	cgcgggaggt	ggccctcagc	tgggacagtg	gggacccagg	cttctcctca	37440
gagccaggcc	ctgacttgcc	ttctccacc	ccgtggaccg	cttccccctgc	cttctctctg	37500
ccgtggccca	gagccggccc	agctgcacac	acacaccatg	ctctcgccct	gctgtaacct	37560
ctgtcttgge	agggctgtcc	cctcttgctt	ctccttgcat	gagctggagg	gcctgtgtga	37620
gttacgcccc	tttccacacg	ccgctgcccc	agcaacctg	ttcacgctcc	acctgtctgg	37680
tccatagctc	cctggaggct	gggcccaggag	gcagcctccg	aacctgccc	catataacgc	37740
ttgggtgctg	gggagggcgc	acatcagggc	agaggccaag	ttccagggtg	ctgtgttccc	37800
aggaaccaa	tggggagtct	ggggcccgtt	ttccccccag	ggggtgtcta	ggtagcaaca	37860
ggtatcgagg	actctccaaa	cccccaaagc	agagagaggg	ctgatcccat	ggggcggagg	37920
tccccagtgg	ctgagcaaac	agccccttct	ctcgcttttg	gtcttttttt	tgtttctttc	37980
ttaaagccac	tttagtgaga	agcaggtacc	aagcctcagg	gtgaaggggg	tcccttgagg	38040
gagcgtggag	ctgcggtgcc	ctggccggcg	atggggagga	gccggctccg	gcagtgagag	38100
gataggcaca	gtggaccggg	caggtgtcca	ccagcagctc	agccccctgca	gtcatctcag	38160
agcccccttc	cgggcctctc	ccccaaaggc	ccctgcccct	cctcatgccc	ctctgtcctc	38220
tgcgtttttt	ctgtgtaate	tattttttta	gaagagtttg	tattattttt	tcatacggct	38280
gcagcagcag	ctgccagggg	cttgggattt	tattttttgt	gcgggcgggg	gtgggagggc	38340
cattttgtca	ctttgcctca	gttgagcatc	taggaagtat	taaaactgtg	aagctttctc	38400
agtgcacttt	gaacctggaa	aacaatccca	acaggcccgt	gggacctga	cttagggagg	38460
tgggaccac	ccacccccat	ccaggaaccg	tgacgtccaa	ggaaccaaac	ccagacgcag	38520
aacaataaaa	taaattccgt	actccccacc	caggtcctgc	gtggcgatgt	gtgtctgggg	38580
ccctggggaa	atagtcaagg	taagaggagt	tagtcttccc	tgaccagaag	acaaggatga	38640
gtgtggtggc	tcatgcctgt	gatcccagca	ctctgggagg	ctgagacagg	acgatccctt	38700
aagcccagga	gttcaagacc	agtctggaca	acatagttag	atcctgtctc	tacaaaaatt	38760
ttttttta	tagttgggca	gaggccaggt	gtggtggctc	atgcctgtaa	tcccagcact	38820
ttgggaggca	gaggcgggtg	gatcacctga	agttaggagt	tcaagaccag	tctggccaac	38880
atggtgaaaa	ctcgtctcta	ctaaaaatac	aaaaattagc	cgggcgtggg	ggcacatgcc	38940
tgtagtccta	gctacttggg	agactgaggg	aggagaatcg	cttgaaccgg	aaaggcagag	39000
gttgacgtga	gccgaggtgg	tgccattcca	ctccagcctg	ggaaagagcg	agactttgtc	39060
tccaaaaaaa	aaaaaaaaaa	aattggcagg	ccaggcacag	tggctcacac	ctgtaatccc	39120
agccctctgg	gaggccgagg	caggaggatc	tcctgaggtc	aggagtttga	gaacagcctg	39180
actgacatag	tgaaccccca	tctctactaa	caatacaaaa	ttagccaggt	gtgatggcac	39240
atgcctgaaa	tcccagctac	ttgggggggt	gaggcaggag	aattgcttga	accaggagg	39300
cagaggttgc	agtgagccga	gatcgcacca	ttgcacccca	gcctgggcaa	caagagcgaa	39360
actccatctc	aaaaaaaaaa	aaaaaaatta	gttgggcatg	gtggcatgca	cctatagtcc	39420
cagctactca	ggaggctgag	gtgggaggat	cctttgagcc	caagagatca	aggctgcagt	39480
gagccatgtt	tgcaccactg	cactccagcc	tgggcaacaa	aacaagactc	tgtctcaaaa	39540
aaaaaaaaaa	aaaaaaaaaa	aggcagggat	ggagggggga	agagaacaca	gcccagtttt	39600
aggtggagct	gaggtggtgg	cccagccagg	acaagtgaag	agtcttcaga	ggctgggttt	39660
ggagggccgt	gcatattccg	gaggtactgc	tttcatactt	aaatgttttc	ttgtaaaact	39720
cacacctgta	atcccagcac	tttgggaggc	caaggtgggc	ggatcatctg	aggtcggggg	39780

ttcaagacca	acctgaccaa	catggagaaa	ccccgtctac	taaaaataca	aaaaattagc	39840
caggtgtggt	gacacatgcc	tgtaatccca	gctactcggg	aggctgaggt	aggagaattg	39900
cttgaacctg	ggaggcggaa	gttgtggtga	gctgagatcg	tgccattaca	cttcagcctg	39960
ggcaacaaga	gcaaaaactcc	atctcaaaca	aaactaaact	aaactaaact	aaagggttct	40020
atcaagaaga	tgggctgcac	gtgatggctc	acacctagac	tcccagcgct	tcaggaggcc	40080
gaggtggaag	gatcacttga	ggccaggagt	tcaagatctg	cctgggcaac	atagcaagac	40140
cctgttttta	cccaaaaaat	aaaaaaatta	cccagatgct	gtggtgtgtg	cctgtagtac	40200
cagctactga	gaggctgagg	caggaggacc	gcttgagcct	gggaggtcaa	ggctgcagtg	40260
agctgtgatc	gtgccactgc	actccagcct	gggtgacaca	gcaagacctt	gtctcaaaaa	40320
taaataaaaac	attttaaaaa	cacactaggt	attgcaaata	cagggcattt	aatttggttt	40380
tttgtttctg	ttttgttggt	gttttgagac	aggtctcact	ctgtcaccca	ggctggacag	40440
cagtggcaca	gtcatggctc	actgcagcct	caacatccca	gggttgagta	atcctccac	40500
ctcagcttct	caggtagctg	actatagata	cacgccacta	caccaagtta	atttaaagaa	40560
aaaaaatgtg	agaggccagg	cgcagtggtc	cacgcctgta	atcctgacac	tttgggaggc	40620
cgaggcaggc	ggatcacctg	aggtcaggag	ttcaagacca	gcctggccaa	catggtgaaa	40680
ccccatctct	actaaaaata	caaaaattag	ccaggtgtgg	tggcaggcac	ctgtaatccc	40740
agctactcgg	gaggctgtga	cagaagaatc	atltgaacct	gggaggcgga	ggttgcagtt	40800
agccgagatc	acgccattgc	actccagcct	gggtgacaag	agtgaactg	cctctcaaaa	40860
aaaaagttta	gaggcaagg	ctcactttct	tctctaggct	ggcctcaaac	tcctgggctc	40920
aagcagtctc	ctgggcctcc	caaagtgtcg	ggattacagg	catgagactc	catgctcagc	40980
cacatttaat	acgagaatlt	ttttgttttg	tttttttgg	tttttttttt	gagatggagt	41040
ctcgactgt	caccaggct	agagctcagt	ggcacgatct	ccgctcactg	taagctctgc	41100
cttcgggtt	cacaccattc	tcctgcctca	gcctcccag	tagctgggac	tacaggcgcc	41160
cgccaccatg	ccgggcta	ttttttctat	tttttagtaga	gacggggttt	caccatgtga	41220
accaggatag	tctcgatctc	ctgacctcat	gatccaccca	tctcggttct	ccaaagtgt	41280
gggattacag	gcgtgagcca	ctacaccag	ccaatacaag	gaaattttta	catggctgtt	41340
gaaagacaga	ggaaaggcca	aaagtggaca	cttaggtaac	ccagagatga	ttgcaggaga	41400
gagctaccac	cctcggtggg	gggattgaag	gggagagggt	atcacttgag	ttatcta	41460
ttgcataggg	aagtcacctc	tcaacttgg	tgcttaaagt	aacagggatc	actcattgct	41520
catgatttct	ggtttttttt	tttttttttt	gagacggagt	ctcgctctgt	cgcccaggct	41580
ggagtgcagt	ggcacaatct	tggtcactg	caagccattc	tcctgcctca	gcctcccaag	41640
tagctaggac	tacaggcgcc	cgccaccaca	cctgggcta	tttttgtatt	tttagtagat	41700
acagggtttc	accgtgttag	ccaggatgg	ctcgaactcc	tgacctcatg	atccgcccac	41760
cttggcctcc	caaagtgttg	agattacagg	cgtgagccac	cgcgcccagc	ttgatttctg	41820
tttgtaaga	atltgggagt	cattttgggt	gggaatttgt	atgtgggggt	ctctcctggg	41880
gctgcagtcc	tttgagggtg	taactggggc	tgaagtccc	ttccaagaac	cctcatatgt	41940
ggctcactca	catggcgggc	aatttgggtc	tagcagttga	ttctacagag	aaaaacgggc	42000
ttgagccaat	gtgctacaag	ccaatactat	gacaccaggc	ttttggtttt	ttgtttttat	42060
gatttatgta	tgtatttttt	ttttttttga	gacagaatct	cattctatca	ccctggctgc	42120
agtgcagtgg	cacaatctcg	gctcactgca	agctccacct	cccagggtta	agggattctc	42180
gtgcctcagc	ctccctagta	gctgggacta	caggcgtgca	ccaccatgcc	tggctaattt	42240
ttgtaccttt	agtagagaca	gggtttcact	atgttggcca	gactgggtctc	aaactcccga	42300
cctcaagtga	tccacctgcc	tcagcctctc	aaagtgtgg	gattacaggt	gcaggcaacc	42360
atgactggcc	gttttttttg	tttttaaa	tgggggtctca	ctatgttgct	ccggctgggtc	42420
ttgaactcca	aggctcaagt	gatectctct	cctcgacctc	ccaaagtgt	aggcttacag	42480
tcagtagcca	ccatgccag	ctgacaccag	gcttttcaga	aaagaatagc	tttattgcaa	42540
gtcaaccagt	aaggagacag	aagtctagct	caaatctgtc	cccctgtgct	ggctttaagg	42600

cggtaattttt	attaggaaaag	gtttaggggg	tggattctga	tattaggtga	ttggcggaag	42660
caaaggggag	gcctggaaaag	tgctcaggca	tgcgcagttc	cctcttcacg	ttatctcatg	42720
gggggcatgt	gcaaattccg	ggggtggtta	gtatgtaaca	tgcactggaa	attcgggctg	42780
tgacatcagc	aagcttggtc	tgtgcaaact	gcagttggcc	atattggtcc	caatctatct	42840
cagccagcgt	gttaatccca	ccagcagatg	aatttcagca	tttctgcaag	tcgtttcttt	42900
ttttatctgc	catcctgcaa	actggaaaat	ttctgctagt	cactggtttc	tttaactctt	42960
tggggcacgg	tttctactgt	aggaggcctc	agtttatccc	atgggcctct	ccatagggct	43020
acttcagagt	ccccacagca	gcctccagaa	tgaatatccc	aagaaagaaa	agaaaagtgc	43080
cactaggggc	cgggtgtggt	ggctcacgcc	tgtaatccca	gcactttgga	agtctgaggc	43140
aggaggatcc	cttgagccca	gaagttcaag	ccagcctggg	caatgtaggg	agacgccatc	43200
tctactaaaa	aaaaaaaaaa	aaaagaagaa	gaatttaggc	cgggcgtggt	ggctcacgcc	43260
tgtaatccca	gcactttggg	aggctgaggg	aggcggatca	cgaggtcagg	agtttgagac	43320
cagcctggcc	aagatggtga	aaccctgtct	ctactaaaaa	tacaaaaatt	agccaggcac	43380
ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa	ttgcttcaac	43440
ctgggaggcg	gaggttgtag	tgagccaaga	tcgtgccact	gtactccagc	ctgggtgaca	43500
aagcaagact	ccatctcaaa	aaaaaaaaaa	aaaaaaaaag	aaagaaatta	gctgggtatg	43560
gtggcacaca	cctgtggtcc	cagctatctg	ggaggccaag	gcaggaggat	tgggtgagcc	43620
cagaaggtca	aggctacaat	gagccagatt	gtaccattgc	actccagcct	gggcaacaga	43680
gtaagacgcc	atctcaaaaa	aagaaaagag	gccagggtga	gtggatcaca	cctgtaatcc	43740
caacattgtg	ggaggccaag	acaggatccc	ttgaggccag	gagtttgaga	ccagcctggc	43800
caacttgcca	aaaccctgtc	tttaccaaaa	aatacaaaaa	taagctgggc	gtgggtggccc	43860
actcctgtaa	tcccacctac	ttgggagggt	gaggcgggag	aatcacttga	acctgggagg	43920
cagaggttac	agttagccga	gactgcgcta	ttgactcca	gcctgagcga	cagagcgaga	43980
ctccgtctca	aaaaaaaaaa	aaaaaattac	cacaagcgca	gctctgggtg	cattgcttat	44040
gaattaactc	ctgctttgca	aggagcagct	ctggttcaat	aaaagattgc	tgtgtaaacac	44100
caccagctta	cccttgaatt	ctttgagtga	aaccaaaaac	cctcccaggc	taatccacaa	44160
tttgggggct	tagctatatg	cctgtatcgg	tactaattgt	cttcattatt	gtagctttgt	44220
tgtaaactttt	gaagttgaga	aatgtgagcc	ttccaacttt	gtttttcttt	ttctagactg	44280
ttttggctat	ttgaagtccc	ttgaatttcc	acaagaattt	ttttttttta	agtgccaaaga	44340
tctcagctca	ctgcaacctc	tgcctcccag	gttcaagcaa	ttctcccaac	ttagcctccc	44400
aagtagctgg	gactagaggc	atgcaccacc	atgctaattt	ttgtgttttt	agtagagatg	44460
gggtttcacc	atgttgtcca	ggctgggtct	aaactccttg	cctcaagtga	tccaccacc	44520
ntcaggctcc	caaagtgtct	ggattataga	tgtgagccac	catgcccagc	ctccacatga	44580
attttttagga	tgagcttgct	aattttctgaa	aacaagccag	ctggggattt	gtttgttttag	44640
acacaagatg	tcattctgtc	accagactg	gagtgcagtg	gcacaactcc	tagctcactg	44700
cagcctggaa	cccctaggct	caagtgatcc	tctcatctca	gcctcctgag	taccagggaa	44760
tacagacaca	tgccaccatg	cctgtctaatt	tttttaattt	ttgtagcgac	atggtctcaa	44820
actcctgccc	aaccaggctg	atctcttttt	ttttttgaga	tggactctca	ctctgtcgcc	44880
caggctggag	tgcagtggcg	caacctcgcc	tactgcaaac	ctctgcctcc	tgggttcaag	44940
cgatttctct	ccctcagcct	cccagtagtc	tgggtgggcat	gggcgcctgc	caccatgccc	45000
ggctaattttt	tcatattttt	agtagagatg	gggtttcacc	atgttggcca	ggctgggtctc	45060
gaactcctgg	cctcaagtga	tcctcctgcc	tcagcctccc	acagcactgg	aattacaggc	45120
atgagtcact	gttcccggtc	cagctgagga	ttttgacagg	gattgggtta	tgtctatatg	45180
tgaactgggg	agtattggaa	tattgacatc	gtaataatat	taagtctctc	aggccaggca	45240
tgggtggctca	cacctgtaat	cccagcactt	tgggagctcg	aggcagggtg	atcaattgag	45300
gtcaggagtt	caagaccagc	ctggccaaca	tggcgaaacc	ccgtctctgc	taaaaaatata	45360
aaaattagcc	aggtgtgggt	gtgtgtgcct	gtagttccag	ctacttggga	ggccgaggca	45420
agaggatcac	ttgaacctgg	taggcagagg	tggcagtgag	cctagattgc	accactgcac	45480

tccagcctgg	gtgaaagagc	aaggctctgt	ctcaaaaaaa	aaaaaaaaaa	aaggaagaag	45540
gaggaggagg	agggggagaa	ggagaagggg	aaggaaggag	gaaggaggaa	gaagaagaaa	45600
tacctgaaac	tgggtaatth	tttttttgag	aaaggatctt	gctctgtttc	ccaggctgga	45660
gtgcagtggc	acaatcttgg	ctcactgcaa	caaccacctc	ctgggttcaa	gcgattctca	45720
tgccctagcc	tcctgagtag	ctggaattga	gatgtgcaca	ccacgcccag	ctaattttta	45780
tatttttagt	agagacgcgg	tttcatcatg	ttggccaggc	tggtctcaaa	cccctgacct	45840
cagggtgatca	accacacctca	gcctcccaag	tgccgcaatt	acaggcgtgt	gagccactgc	45900
gcccggcttc	aaaagtacca	tttaatggct	gacaattact	tgccctgaaa	tgtgaaacaa	45960
aattcattta	ctacattgth	tttaagatag	cacctgacct	tcagtaatcg	gaaataatga	46020
tttctataaa	ataaaaaacca	ctgcagtgtc	tttagtgatt	agtgtacata	gagtttttcc	46080
cctggctgtg	acatcatatt	attaaaagca	ttaagcacct	ggaattcatg	ctgtagttga	46140
tttataagtt	acataatgta	caaagctcct	tttataagaa	tgthttgtgg	tcacaattac	46200
ttcaaaaccc	aattacattc	aaataatcta	atagctcatg	ctttggcaat	tatagaagtg	46260
tgattttgac	acatagaaat	tttatgaggt	tagcaaataa	aaaacgctat	aaaagaggtg	46320
aacaatggth	cctctgttta	aatttagagt	gcagcaatat	ttaggttaata	tttttcagtt	46380
aatataatca	gcctagaata	tagcattgta	aatcatacag	tgthtttagaa	atacggatct	46440
aaagaaggta	atacctthttc	caaattataa	aattttggca	aatcaataca	gtactttgtg	46500
atacaataaaa	actatgtthtt	tgthggagtc	atatatgact	ttaatcataa	tttccactgc	46560
aaaagcacca	cctaaatact	aatcaatta	tgaaggctth	tcatgacagt	ttataacaga	46620
gtcagttgtt	ttacacaaat	taatatggct	tttaaaaaat	tatataatth	cttggccggg	46680
cacactggct	catgactgta	atcccagcac	tttgtggggc	tgagaccagc	aaattgctga	46740
gctcaggagt	ttgagaccag	catggacaac	atggcaagac	cctgtctcta	aaaataaaaa	46800
tgthtttaaaa	gctgcagagt	taacacagta	gagaaatcat	gtgcatataa	aatatgctac	46860
gthtctthct	gggattggct	caaaactgct	cacaaaaaac	ttcaaaactc	tactthtaaga	46920
agthccaggc	cgggcacggt	ggctcacgcc	tgtaatccca	gcactthggg	aggccgaggc	46980
aggcgaatca	caaggtcagg	agthcgagac	cagcctggcc	aacatggtga	aaccccgctc	47040
ctactaaaaa	tacaataaaa	attagctcag	catagaggcg	tgccgctgta	atcccaggta	47100
ctcgggaggc	tgaggcagga	gagtcacttg	aacctgggag	gcggagggtg	cagtaagcca	47160
agatcgcgct	actgcactcc	agcccaggcg	acagagcgag	actctgtctc	aggaaaaaaa	47220
aaaaaaaaaag	aagctccaat	accaaattaa	agtcgtthtt	caagtattgg	taaatctthc	47280
ataaacaggg	caacacttaa	tgatcaatag	atcattcgac	tagggcttat	gctggtggat	47340
ctctthttgt	taaagctcca	aactcagctg	ggcttggtgc	ttcacgcctg	taatcccagc	47400
actthtaggag	gccaaaggcag	gtggatcacc	tgaggtcaga	agthcgagac	cagcctggcc	47460
aacatagtga	aacccccgtc	tgtactaaaa	atacaaaaat	tagacaggcg	tggtggcaca	47520
gaaaaaaaaa	gtcaattatc	ctattthggg	atttaaatta	tactattthtt	tattthtttg	47580
agacagagth	tcactctgtc	acccagctcg	gagtgagtg	gtacaatctt	agctcactgc	47640
aacctccacc	tcctgagthc	aagcgattct	cctgcctcag	cctcccaggt	agctaggatt	47700
acaggcacca	gccaccacct	ggctaattth	tgtattthtt	gtagagacgg	ggthttcacca	47760
tgthggccag	gctggtctca	aactcctggc	ctcaagtgat	ctgcctgctt	cggcctccca	47820
aagtactggg	attacaggag	tgagccacca	caccacctcg	accagcctth	tcctctataa	47880
atttaaaaaa	aaaaaaaggc	cagggtcgga	ggttcatgcc	cgtaatccca	gcactthggg	47940
acggatcact	gtaattccag	ctactcagga	gcctgaggca	ggaggatcac	ttgaaccagg	48000
gagtcggagg	ttgcagtga	ccaagattgc	tccactgcac	tccagcctgg	gcaacagagc	48060
aagactccag	ctcaaaaaca	aagaaaaaag	aaaaaggcca	ggtaagggtga	cttacatctg	48120
taatcccagt	actthgggaa	gctgaggcag	gaggattgct	tgagcccagg	agthtcaaggc	48180
tacagtaagc	tagtaagcta	tgattgcacc	actgtgctgc	agcctgggtg	acagagccag	48240
accctgtctc	atgaaaaaaa	aaaaaaaaaa	aaaaagaaaa	gaaaagaaag	gaagaaaagt	48300



gccaaattgt	ttctcaaagc	agttctagt	atttatggtc	tcacttgacg	tatatcagat	48360
tcttcgttgt	ccagatcttt	ttaatttttt	acagactaac	aggtacaata	cagtatctta	48420
ctgtggtagt	aatttgagtt	tccctgattt	cctctatagt	tgagcatctt	tacgtgttta	48480
gtggccactc	atgtttcttc	agatcttctg	cctgccttcc	tccctccctt	cctcccttcc	48540
tccctccctt	cctcccttcc	tcccttcttc	cttcccgccc	tcccttccct	tttttttttt	48600
tttttttttt	ttttgagacg	gagtcttgct	ctgtcgccca	ggctggagtg	cagtggcggg	48660
acctcagctc	actacaagct	ccacctccca	agttaaatcg	attatccggc	ctcagcctcc	48720
tgagtagctg	ggactacagg	cgcccgccac	cacgcccagc	taattttttg	tatttttcagt	48780
agagacaggg	tttcacagtg	ttagccagga	tggtctcgat	ctcctgacct	catgatccgc	48840
ccacctcggc	ctcccaaagt	gctgggatta	caggcgtgag	cgtgagccac	cgcgcccggc	48900
cccttccttc	ttttttttta	aaaagagaga	cgggtgctcc	ctttggcagc	agatatacta	48960
aaaaagagag	acgggaaggc	caggcacagt	ggctcacacc	tgtaatccca	gcacttttgag	49020
aggccgaggg	tggtggatca	cctgaggtca	gaagttcgag	accagcctgg	ccaacatggt	49080
gaaaccccat	ctctactaaa	aatacaaaat	tagacgggtg	tggtagtgca	tgctgtaat	49140
cccagctact	caggaggctg	aggcaggaga	atcaatgaac	ccgggaggcg	aaagttgcag	49200
agagatgaga	ttgtgccatt	gcattccagc	ctgggcaaca	agagcgaaac	tacgtctcaa	49260
aaaaaaaaat	gcataagttt	tgtgaacaaa	tatttcataa	ttttctctac	tgaggtctta	49320
gacttttttt	ttttacattt	tacagaatac	ttcatatctt	ctttgtctct	cccccttttt	49380
tttgcaatca	ccttgaaaac	attaagattc	agatggctct	ctaattttcc	tgtctcctgt	49440
tatcctttgt	gggtgtgtgt	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtttgagac	49500
agagtctcac	tctgctggac	aggctgcagt	agagtgatgg	catctcggct	cgctgcaacc	49560
tccgcctcct	gggtctcaagt	gattctcctg	cttcagcctc	ccgagtagct	gggattatcg	49620
gcatgtgcca	ccacccttag	ctaatttttt	tattttttagt	agagacgggg	tttcaccatg	49680
ttggccaggc	tggtttcaaa	ctcttgacct	caagtgatct	gccacctca	gcctcccaaa	49740
ctgctgggat	tacagacgtg	agccactgcg	cccagcctgt	tatcctttgt	ttttggaagg	49800
aagcatttga	aaaagagtga	ctctatcttg	aataggggct	gggtaagatg	aggctgagac	49860
ctgctgggct	gcattcccag	taggtgagac	attcttatte	acaggatgag	acagaagggt	49920
ggcaggactg	gtatcacaag	atacgggtca	caaagacct	gctgataaaa	caggatgctg	49980
acagggcaca	gtggctcact	cctgtaatcc	cagcattctg	ggaggctgag	gcggggcaat	50040
cacttgatgc	caggagatca	agaccagcct	ggccaacatg	gtgaaaccct	gtctctacca	50100
aaaatacaaa	aattaccag	acatgggtgg	aggcacctgt	actcccagct	actcaggagg	50160
ctgaggcaag	agaattgctt	gaactcggga	ggcagaagtt	gcagtgagcc	aggatcgac	50220
cactgcactc	cagacggggc	aacagatcga	gactccatcc	caaaaaaaaa	aaaaaaaaaag	50280
aaaacaaaaa	caggacgcag	taaagaagcc	agcccaaaaa	cccaccaacg	gtgatgaaac	50340
tgacctctgg	tcatcctcac	tgtcatttat	acactaatta	taatacatta	ccatgctaaa	50400
agacactccc	accaggacta	tgacagttta	caagtgccac	ggcaacaccc	ggaagttacc	50460
ctatatggtc	taaaagaagg	aagaaccctc	agttctggga	aatccctgcc	ctttcctgga	50520
aaactcatga	ataacccata	cttcgtttag	catagaatga	agaaataact	gtaagtatac	50580
tcagtcaagc	agcccatgcc	actgctctgc	ctatggagga	gtcattcttt	attcctttcc	50640
tattcttttt	ttttttttct	ttttcgagac	agagtccac	tctgttgccc	aggctggagt	50700
gcagtggcac	gatcttgact	cactgcaacc	tctgcctccc	aggttcaagc	aattctcctg	50760
cctcagcctt	ccgagtagct	ggaattacag	gtatgcacca	ccacaccag	ctaatttttg	50820
tatttttaat	agagatggag	tttcaccagg	ttggccaggc	tggtctcgac	ctcctgacct	50880
caggtgatcc	acttgectca	gcctcccaaa	gtgctggaat	tacagacgtg	agccactgcg	50940
cccggctatt	cctttatttt	cctgataagc	ttgctttcag	gtcgggtgtg	atggttcaca	51000
tgtgtaatcc	cagcactttg	ggaggcctaa	gtggcaggac	tgcttgagcc	cagaaattca	51060
agaccaacca	gcgccacata	gtgagtgaga	ccatattttc	attaaaaaaaa	aaacgaaaac	51120
aaaaaaaaact	tggccaacat	gacgaaaacc	tgctcttact	aaaaaaatac	aaaaattagc	51180

caggaatggt	aacacatgcc	tgtaatccca	gctactcagg	aggctgaggc	aggacagtca	51240
cttgaacctg	ggaggcagag	cttgcaatga	gctgagatca	agccactgca	ctcgagcctg	51300
ggtgacagag	cgagactctg	tctaaaaaaa	aaatacaaaa	taaaaaaaaag	aacttatttta	51360
tgtaaccaa	taccacctgt	tcacctgttc	cccaaaaacc	tggtgaaaca	aaaataaata	51420
aataaatata	aagaaataat	ttttatttat	ttatttttatt	atatttttgag	acgaagtttc	51480
actcttgctg	cccaggctgg	agtgcgaatgg	cgtgggtctca	gctcactgca	acctctgcct	51540
cctgggttca	agcgattctc	ctgcctcagc	ctcccagagta	gctgggacta	caggcacctg	51600
ccaccacgcc	tgggttaattt	tgtatttttag	tagagacagg	gtttcaccat	gttggtcagg	51660
ctgggtctcca	gctcctgacc	tcagggtgatc	caccgcctt	ggcctcccaa	agtgctggaa	51720
ttacagggtgt	gagccaccac	accagcctt	taatttttatt	ttctatagag	aggagtccca	51780
taatattacc	caagctggtc	tcaaactctt	ggcctcaata	aatcctccca	cctcagcctc	51840
ctgagtagct	aggactacag	gagtgcacca	ccatgccag	ctaagtgtttt	tatgttttgt	51900
agagatgagg	gtctcattat	gttgcccagg	ctcgtcttga	actcctgggc	tcaagtgatc	51960
catcctcctg	cctcagcttc	ccaaagtgtc	gggattacag	gtgtgagcaa	acatgccag	52020
cctaataatta	ttaatacatc	gtagctgtcc	atatttatag	ggtgcatgtg	aaattttgtt	52080
acgtgcatag	aagtgcgatt	gtaggaacca	aggaaaaaac	ttctgcttca	ccttctcaag	52140
gtttgctgat	aatcagctc	acaaaaggca	gattaattgg	aaaaaggggg	atacaaattg	52200
cattcacacg	tatctgggga	gaaccacacc	acagcgtgat	taccaccac	cccaaaggca	52260
ttcagacgct	tataaccat	cttctttttt	ttttttaagt	agagactggg	ttttcgccat	52320
gttgccaggc	tgggtcttgaa	ctcctgcact	caagtgatct	tcccctcttg	gcctcccaa	52380
gtggcgctgg	gattaccgcc	atgagccact	gtgcctggca	ctatatacat	atatatagat	52440
atgtatacat	atctatatct	atagatatct	atatatctat	agatatctat	atatctatat	52500
ctatatgtat	acatatctat	atatatagac	atgtgtatat	atatctatag	atatctatat	52560
ctatagatat	agataacta	tcttgccagat	acagaaagaa	taggggtttg	gatcctggta	52620
aaacaggtta	tggcaggggg	aagaaagagg	aattctattg	aggggacata	aaagattact	52680
gggggctagg	cagagtggct	catgcctgta	atcctagcac	tttgggaggc	caaggtgggc	52740
agatcacttg	aggtcaggag	ttcgagacca	gcctggccaa	catggcgaaa	ccctgtctct	52800
actcaaaaca	caaaaattag	ccagtcagtg	tggcacatag	ctgaaatccc	agctactcag	52860
gaggctgagg	caggagaatc	acttgaaccc	aggaggagga	agttgcagtg	agctgagatg	52920
gcatcactgc	actccagcct	gggtgacaga	gtgagactcc	atctcaataa	aaataaaaaat	52980
aaaaataaag	cattgctggg	gagaatgaat	ggatttagga	acagagatta	acttgtacat	53040
aattctcttt	ggaatttcaa	tgagcctgag	ggagacatta	tcttgccgaa	gagtctgttc	53100
agggtgtggt	ccattcttga	ttttatagaa	aggagaagaa	aaaaaaacaa	ttgttttcct	53160
tggtgagggg	ggatgtctgg	atcttaggca	gagaaagtaa	cttcaacttc	atcctgtgct	53220
gtgggagaaa	agacgggtctt	ttagacacag	tttatcgtaa	ctgctgcttt	tcctgtgttt	53280
ggcctatacc	ttcctgcctc	tttgaatgat	gggtagacca	gagtttgtga	gtcaatttgt	53340
attagctgtg	tgatctggag	caagctactg	ttgtcagagg	agtttgaacc	acagtgattc	53400
catcttgaat	aggggggtggg	taaaatgagg	ctgagacctg	ctgatattga	caggaggcag	53460
ccaattgcct	aggccaatag	gggcgggtcc	gcggtgaaac	cccacctcca	accgaagac	53520
ggtttaaagc	ctgaaactga	aggtacaagt	ttaaacctta	gaccggattg	agagcttacc	53580
ttcctgtttg	tcgcgctttc	ctctgattga	tccccacctt	tcgcctattt	tacataatacc	53640
caccctttcc	taattgggtt	tctactcttt	cttttttttt	ttgacagagt	ctcgctctgt	53700
caccaggct	ggagtgcagt	ggtgcaatct	cggctcactg	caatctccac	ccccggggtt	53760
catgtcattc	tcctgcctca	gcctccccag	tagctgggac	tacaggcgcc	tgctaccacg	53820
cccggctaata	tttttgattt	ttttagtaga	gatgagggtt	caccgtgtta	gccaggatgg	53880
cctcaatctc	ctgaccttgt	gatctgcccg	ccttggcctc	ccaaagtgtc	ggcattacag	53940
gcatgagcca	ccgtgcccgg	cggttttcta	ctctttcatg	accacctttg	agtagtgtct	54000

ttgctttaac	tcacctcatt	agcataaact	ccagtgtgat	caaaaggact	cattataaat	54060
aacaaaagac	attcctccaa	ctcctggact	taagggatcc	ctcaagcaag	cctcagcctc	54120
ctgaatagct	gggactactc	ctttttgcat	actcacaagc	caatcagcac	acactcccca	54180
cctgtgtcct	ataaaggctc	cagactcagt	cagcagggga	aaagacgacc	tgacttcggg	54240
gaaggcaacc	tgacttccc	atccccctc	cagctccct	ctccactgag	agtcgctttc	54300
attgctcaat	aaaattctcc	accttcatca	tccttcaatc	gtccgtgtaa	cttcattctt	54360
cctggatgct	ggacaagagc	ttgggaccca	gtgagtgagg	ataccagaa	aggctgtcac	54420
actgggcctt	tgccctcgcc	tgtgaagggc	agctgtcccc	atgtgatgag	gcaaggggcc	54480
agctgatctg	ctgacatgtc	accatctgtg	gacagcagaa	ctaaaggagc	actgtaataa	54540
caccctctct	gcagcttcgg	ggacacgggc	accctcacct	agggtgctgt	gctttccctt	54600
caaggtgacg	tgccgtctct	ggccatgggc	cctgcataca	gcttgctcct	gtgttggtgc	54660
ctggagaagc	cagctggcca	gatcccacac	ttagtcactt	gtgtgctccc	tcctgcaagg	54720
ggttgagcac	agggggctga	gtagatgggg	catcccttcc	atgagtccag	cgaaggtgcc	54780
tagaaaaacc	ctgcatcacc	actgagctac	tttcccagga	ggtgaggcat	tcccagtcac	54840
aggatgacac	aggagggtgg	cacaagacat	aggtgacaaa	aaaccttgct	gataaaacag	54900
gttgcagcaa	agaagccggc	caaaaccac	caaaaccaag	gtggcgatga	aagtgcctc	54960
tggtaggctg	ggtgcggtgg	ctcaacgcct	ataatcccag	cactttggga	ggcccaggcg	55020
ggcggatcac	ctgaggccag	gagtttgaga	ccagcctgac	caacatggag	aaactccgtc	55080
tctactaaaa	atacaaaaaa	ttagctgggc	gtggtggcac	atgcctgtaa	tcccagctac	55140
tcaggaggct	gaggcaggag	aattgcttga	accggggagg	cggaggttgc	agtgcagcaa	55200
gategtgcca	ttgcattcta	gcctggatga	caagagttaa	actccatctc	aaaaaataga	55260
aagaaagtga	cctctggtcg	tcctcactgc	tattatgtg	ctaattataa	tattattagca	55320
tgctaaagac	actcccatca	gtgccatgac	agtttagaaa	tgccgtggca	acatcaggaa	55380
gttaccctat	attgtctaaa	aaggggagga	accggccggg	cgcagtggct	catgcctgta	55440
atcccagcac	tttgggaggc	caaggcaggt	ggattgcaag	gtcaagagtt	caagaccagc	55500
ctggccaaga	tgtgaaaccc	tgtctctact	aaaaatacaa	aaattagctg	ggcatgggtg	55560
cgggcgcctg	taatcccagc	tactccagag	gctgaggcag	gagaattgct	tggaccagag	55620
aggcagaggt	agcagtgagc	tgagattgca	ccattgcact	ccagcctggg	tggcagagca	55680
agactctgtc	tcaaaaaaaa	gtggggagga	accctcagtt	ccaggaattg	cccgctgcctt	55740
tcccagaaaa	ttcatgaata	atccaccctt	gttgggcatg	taatcaagag	ataactataa	55800
aaaatatcca	gccagcaacc	ttaggggatg	ctctgcctat	ggagtagaca	ttctttgttc	55860
ctttactttc	tttttttttt	tttttttttg	tgagatggag	tctcactttg	tcatccaggc	55920
tggagtgcag	tgggtgcaatc	ttggctcact	gcaacctcta	cctccccagc	tcaagcgatt	55980
ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcgt	atgtcaccac	gccagctag	56040
tttttgattt	ttttagtggg	gacagggttt	caccatgttg	gctagtctgg	tcttgaactc	56100
ccaatctcaa	atgatccgcc	caccttggcc	tatcaaagtg	ctgggattac	agggtgtgagc	56160
cactgtgccc	agcctattcc	tttactttct	taatatactt	gcttccactt	tactccatgg	56220
actcgcctgg	aattgtttct	tgcgtgagat	tcaagaactc	tctcttggct	gggtgtgggtg	56280
gctcacgcct	gtaatcccag	cactttggga	ggccgaggca	ggtggatcat	gaggtcagga	56340
gtttgagacc	agcctgacca	acatggggaa	accctgtctc	tactaaaaat	acaagaaaat	56400
tagccgggcg	tgggtggcacg	tgccgtgaat	cccagctact	caggaggctg	aggcaggaga	56460
atcacttgaa	cccgggaggc	agagggcgcc	actgcagtcc	agcttgggca	atagagttag	56520
accctgtctc	aaaaaaaaaa	aaaaaaaaaa	aaagattaaa	aaagaaccct	ctcttgggggt	56580
cttgattggg	actcctttcc	agtaacagtg	tgaaagaaaa	ataaaatcac	cagaccccaa	56640
actcactatg	tcaaagggca	aaaagctaag	cttaggaact	gagtcataca	ggaaactgca	56700
ttttcttttg	ttcctaacca	gatagctgca	agattgaatg	ccacgtatct	ccacaggtgg	56760
cttcctcac	cctgaccatg	taaattcagc	ttaccttcac	aggtaacagga	caaataaaaa	56820
aatagaaatc	tggccaggca	tgggggctca	cacctgtaat	tccaacactt	tgggaggctg	56880

gggtgagaga	attgctggag	ctcaggggtt	ggagatcacc	ctgggcaacc	cagtgagagg	56940
ctgtctctac	ggaaaagatt	ttaaattagc	ctgggtgtgt	agtgcacacc	tgtagtacca	57000
gctactcagg	aggctgcatt	gggagtattg	cttaagctca	ggaggtcgag	gctctagtga	57060
gggtgtgatcg	caccgctgca	ctccaacctg	agcaacagaa	taagaccctg	tctcaaaaaa	57120
aaaaaaaaaa	aaaaaaaaatc	atggccgggc	gtgggtggctc	acggctgtaa	tccaacact	57180
ttgagaggcc	aagggatcac	ctgaggtcac	gagttcgtga	ccagcctgac	caacatggtg	57240
aaaccccgtc	tctactatag	acaaaaaatt	agacaggcat	ggtggcacat	gcctgtaatt	57300
ccagctactt	gggaagctga	ggcaagagaa	tcacttgagc	tgaggcggca	gaggttgag	57360
tgagccaaga	ttgcaccatt	gcattccagc	ctgggccaca	agagtgaac	tctgtctcaa	57420
aaaaataaca	ataatttttt	tttttttttg	aggtggagtc	ttgccctgtc	acccaggctg	57480
gaatgcagtg	gcacgacctt	ggctcactgc	aagctccgcc	tcccgggttc	acgccattct	57540
cctgccccag	cctcccgagt	agctgggact	acaggcgctt	gccaccacgc	ccggctaaat	57600
gttttgtatt	tttagtagag	acagggtttc	accatgttag	ccaggatggt	ctcaatctcc	57660
tgatctcatc	atccgtccgc	ctaggcctcc	caaagtgtctg	ggattacagg	tgtgagccac	57720
cgcgtccggc	caatatTTTT	ctttttttta	aatcatactt	ccaggtccng	gtgcgggtggc	57780
tcacacctgt	aatcccagcn	ctttaggagg	ctgaggtagg	cagatcacia	ggtcaggagt	57840
tcgagaccag	cctgggctaac	atggtgaaac	cctgtctgta	ctaaaaacta	caaaaattag	57900
ctgggctgtg	tggcacacac	ctgtaatgct	agctactcag	gaggctgagg	caggagaatt	57960
gcttgagccc	gggaggcgga	ggttgacgtg	agctgagatc	acactactgc	actcctgcct	58020
gggggacaaa	gtgagactct	gtctcagaaa	aaaataataa	taataaatca	tacttaccct	58080
caccctaaga	caaaagcata	attgacttct	tcctctactc	tgtgtttact	ttatcttgtg	58140
taaaatacag	atatattttg	cacaagatga	attcataata	gactgttcct	ttttccctcc	58200
tttcacatgt	gttaaaagaa	aaacttcagc	caaattaaat	ttaaggaggt	ttaattgagc	58260
aatgaacaat	ttgtgaatcg	ggcagcccc	agaatcacag	ccgattcaga	cagactccag	58320
tgcagccatg	tgatggaaga	agattttatg	acaaagggaa	atgacataca	gaagtcagtg	58380
aggtacaaaa	acaactggat	tggctacagg	tcggcatttg	ccttatttga	atatggctca	58440
aacagttggc	tacatctgac	tggccaaaac	tcagtgtattg	gcacagggtg	tgggctatgg	58500
ccgagttata	cctccgcttg	ttacagttca	caatgtacag	aaaaaccttt	aggccaaatt	58560
gaaatatgta	aagaagcagc	tttaggctaa	acttgattaa	cgtatgtaag	atgtggattc	58620
agtgatcatg	aatgaaagcc	tcacagaaag	tgaccactta	tttcactacc	ttccctagt	58680
tttttgttgt	tggtgttgt	tttgttttgt	tttgtttttt	gagatggagt	ctcactatat	58740
catccaggct	ggagtgcagt	gaagcgatct	tggctcactg	caagctccgc	ctcccgggtt	58800
cacgccattc	tcctgcctca	gcctcctgag	tagctgggac	tacaggcgct	cgtgaccacg	58860
cccggctaatt	ttttttgtat	tttttagtaca	gacgggggtt	cactccgtgt	tagccaggat	58920
ggtctcgatc	tcctgacctc	gtgatctgcc	cacctcggcc	tcccaatgtg	ctgggattac	58980
aggcgtgagc	caccgcaccc	ggccaccttc	cctccttttt	catttctttc	ctccttcccc	59040
tcctgcccac	tctttctcct	ttaaattattg	aagtcctcaa	aactctctgg	aaaagccatg	59100
ggtcacagat	ttttcttttg	cttgggtctc	tttttcctgg	gcatgtcctc	aaccttagca	59160
aaataaacct	ctaaattcat	tgagtccctt	cctctccctt	ccctcctctt	tcccttccct	59220
tcccttcccc	tttcttttag	acagggctct	actctgtcat	ccaggccagg	gtacagtggg	59280
gcaaatagata	gggacaagag	gcagggaaat	tctgggcaga	agaggggtgg	tccccagaga	59340
gggcattgcc	ctcaagctga	aaaacctgga	actgcagccc	aaagtgagaa	ctgacatccc	59400
tgttttttgt	tttttggttt	tttttgagat	ggagtctccc	cttctgtcac	ccaggctgga	59460
gtacaatggg	gcgatttttg	ctcactgcaa	cctccacctc	ccgggttcaa	gtgattctcc	59520
tgcttcagcc	tcccagagtaa	tccgagccgg	gattacaggc	acacaccacc	acaccgggct	59580
aattttttgta	tttttattag	agaaggggtt	tcactatctt	ggccaggctg	gtgttgaaact	59640
cctgatttctg	tgatccaccc	tccttgcttc	ccaaagtgt	gggattacag	gcatgagcca	59700

ccgtgcccag	ccaacatcgc	tgccttctctg	cttgaatggt	gccttttcca	aaaccaccct	59760
tgacctgccc	tgccccaat	cctgtgccc	taaaaacccc	aggcccagct	agcagagaga	59820
ggagaagcag	ctggacgtca	aagaccatgg	ttgaacattg	gagagaagtg	gcttgacttc	59880
agagggacag	tttgctggag	tagctttgga	ggagtatggc	cagggacagc	tggacttcag	59940
agaaagatta	ccttctgct	ctgtccctt	ttcagctccc	cttcccgtt	agagccactt	60000
tcacagcaa	taaagtctcc	tgcatttacc	atcttcaatt	catttggtg	acctaattcc	60060
tcctggacac	tgaaaaagaa	cttgggtgcc	acgagtgtgg	atgcaaaagg	ctgtcacacc	60120
gacctccac	taagctgtta	acacttaagc	cattcacaga	cagcagagct	aaaagagtac	60180
tctaacactg	cctctggggc	ttcaatagtc	tccggcacc	tccgctagac	actatcatgg	60240
ggctggtag	gagatggctc	ttgctggcgc	ctaaaaactc	tgcctccgtc	tcctgcacct	60300
gctcacctgt	gctccctctc	ctgtgagggg	tggagttagt	agtgagtgg	gttccccct	60360
accagcacca	aagcagctgg	ctagtcttta	ggcaacatcc	tgcttcacaa	tcacagctca	60420
ctgcaacctc	ccacctccca	ggctcaagt	ttcctcctgc	ctcagcctcc	caaagtgtct	60480
ggattgcagg	catgagccac	catgcccagc	cagtcatttt	ctttggttta	cactacttta	60540
cctccctgag	ccttattttc	cccaaagtga	aggtagaaac	tcctctgttg	ggaggattaa	60600
atgagatatg	tctcaaattt	ttgttgaaaa	ctggacattt	tattttatct	tattttactt	60660
atttttgaga	caaggtctca	ctcactctgt	cactcaggct	agagtgcagt	ggtgcaatct	60720
tggctccctg	aaagcttaac	ctcctgggct	caagtgatcc	tcctgtctca	gcctcctgag	60780
cagctgggac	tataggctcc	agccaccaca	cttggctaata	ttatttttat	ttttattttt	60840
tgtagagaca	gagtctcact	atgttgccca	ggatggctct	gaactcctgg	gctcaagtgg	60900
ttctcctgac	tgcggccccc	aaagtgtctg	cattacaggt	gtgagccatg	gcaccagca	60960
aaaactggac	attttaaatc	atgtattgta	attctaaatt	ctgatgtcct	ggtggtagct	61020
gtttagatt	ttgacattgt	tgttgtttgc	tgggtgtctg	tttgggtgtt	taataacttg	61080
aagccactaa	aggaagcctc	tgttttgttt	tgtgattctt	gcttttattt	tcaagactgg	61140
cttctaggg	gtccatctct	gaatcagcat	tgcctagtgc	ccagccactg	tttggtcaga	61200
aggtttccgt	aaacaccttg	acacactaag	ccttccttgg	tcaagaggac	ctgtgagggg	61260
ggttgggaca	caggttaaat	tatttcctca	agggcggtga	catttccttc	tttttctttt	61320
tttttttgag	atggagtctg	tctctatcac	tcaggctgga	gtgcagtagc	atgatcttgg	61380
ctcactgcaa	cctctacctc	ccaggttcaa	gcgattctcc	tgccctagcc	tcccagtag	61440
ctgggattac	aggcgcccg	caccacaccc	aactaatttt	tgtatttttag	tagagatggg	61500
gtttcaccac	catgttggcc	aggctggtct	ggaacctcgc	acttcaagt	atccacctgc	61560
ctcagcctcc	cagagtttgg	gattacaggt	gtgagccacc	acacctggcc	tctttttttc	61620
ttttcttttc	tttttttttt	tttttgagat	ggagtttgcg	tcttgttgcc	caggctggag	61680
ggcaatggca	tgatctcggc	tcactgcaac	ctctggctcc	cgggtacgag	caattctcct	61740
gcctcagcct	ccaagtagc	tgggactata	gacatgcgcc	acacgcctaa	ttgtttgtat	61800
ttttagtaga	gatgggggtt	caccatgttg	accaggcagg	tctcgaactc	ctgacctcag	61860
gagatctgct	cacctcagcc	tcccacaggt	atgagccacc	atgctcagct	ttattttgtt	61920
ttattttatt	ttattttatt	ttattttatt	ttatttgaga	cagagtctcg	ctctgtcgcc	61980
caggctggag	tccagtggag	ctatctcggc	tcactgcaac	ctctgcctct	caggttcaag	62040
caattctcat	gtctcagctc	ctcaagtagc	tgggattaca	ggtgtgtgcc	accacgcca	62100
gataattttt	ttattattag	ttttagtaga	gtcgggggtt	tgccatgttg	cccagcctgg	62160
tcttgactc	ctgacctcaa	gatattccac	cgcctcgcc	tcccaaagt	ctgggattat	62220
aggcatgagc	caccataccc	ggcctctttt	tttaattttt	atggatatgt	ggtaggtata	62280
tgtatttatg	aggtacatga	gatattttga	tacaggcata	caatgcatca	taatcacatc	62340
agagtaaagt	gggtatccat	catctcaaac	atttatcatt	tctttgttac	aaacattcca	62400
attatgctct	tctagttatt	tttaattgca	taataaatta	ttgttgactg	cccaggcaca	62460
gtggctcacg	cctgtaatcc	cagcactttg	ggaggccgag	gcagggtgat	tgctgaagt	62520
caggagtcca	agaccagcct	gaacaacatg	gagaaatccc	gtctctacta	aaaatacaaa	62580

attagccagg	tgacgtggcg	catgcctgta	atcccagcta	cttgggagga	tgaggtagga	62640
gaatctcttg	aaccaggag	acagagggtg	cggtagccg	agatcgacc	attgcattcc	62700
agcctgggcg	acattttgta	tgacattgct	taaccataaa	ctcttcattt	gcttttgttt	62760
ttcttttctt	tttttttgag	acggagtctc	gctctgttgc	ccacgggttc	caccgtgtta	62820
gccaggatgg	tctcgatctc	ttgacctgt	gatccgccag	cctcggcctc	ccaaagtgt	62880
gggattacag	gtatgagcca	ccaccacagg	cctgtttttc	attttattgt	ctgagaatcc	62940
cttgacgcct	gggggcatag	attcggggaa	ttctcccact	cctcactttc	ttttcttcc	63000
taggaatatc	ttggccagg	gcagtggctt	acacctgaaa	tcccagaact	ttggcaagct	63060
aaggcaggag	gaatgcttga	ggtcaggagt	ttgagaccg	cctgggggaa	aaagtgcagt	63120
cctatctcta	tttaaaaaat	aagaataatg	gccagtcttg	ggggatcact	cctgtaatcc	63180
cagaactttg	gaaggcagag	gtgggaggat	cacttgaacc	cacaagggtg	aggctgcagt	63240
gagacgagat	tggtctgcc	cactccagcc	tggtggcgag	agtgcagacc	tgtctcaaaa	63300
caacaacaac	aattaaaaaa	aaaaaaaaaa	gaatatcttt	atttctgact	tggtggcctg	63360
cagggtggctg	aactattttc	gtggaatgat	ctggaaaccc	acacatatgt	gaagccagg	63420
cagggtcttg	aattctttga	attatcaggc	tgaggcaggc	aagtttgc	ctcctcaagg	63480
tagatgaact	catgatctcc	agtctaccct	ttcacagact	gtgtggcctt	tcaaggatca	63540
catttcaaag	ggatctcagg	cacaatttcc	atttgaactg	ggtccagata	caatttccat	63600
ttgaactgga	cctcaatgta	gtagtctctc	attgtttgaa	gtatcactcg	gagttctttg	63660
tctcacaacc	atgaaaatta	aggagcatgg	gcaccaagga	tgaggctgga	gtgaaagt	63720
aataagctaa	agaagaaagc	tctctgccgt	ggagaggggg	tctgaaagag	gccattatta	63780
tttatttatt	tatttgagac	agagtttcac	tctgttgcc	caggctggag	tgcaatggca	63840
tgatctcggc	tcaccacaac	ctccacctcc	cgggttcaag	tgattctcct	gcctcagcct	63900
cctgagtagc	tggtattata	ggcatgcacc	accacacca	gttaattttg	tattttcagt	63960
agagacgggg	tttctccatg	ttggtcaggc	tagtgtcgaa	ctctcctcag	gagatccacc	64020
cacctcggcc	tcccaaagta	ctgggattac	aggcatgagc	caccgtgcc	agccaaaaga	64080
ggccattttt	acagttgaat	gcaaaagctt	ttataagaaa	ccaatgaggg	ctgggcattt	64140
catttacata	aggtgtgaat	ttctcctatc	tccaccccat	ccttctaata	cgcatggggg	64200
cccttagctt	aatttactcc	atattgcttt	aatttttttt	ttaaattagcc	atattttgca	64260
aaaaaaaaaa	aaaaagtgc	tacatcctat	aatgtcctat	tttatctagt	aactctagcc	64320
tagggcctca	tctcctgacc	tgacacgggc	attaaagcaa	gctcctggcc	actgaccctc	64380
agtgaccatt	cagagcagag	acgtgatcaa	ttcattgcct	atcatctgtg	gcgtttagtt	64440
tctcttttgt	ttctggattc	ctaggatttc	cctttctttc	atgggagctc	aactgggcatt	64500
tgaaaataat	tttttttaat	tgtattaaac	atttcaaaga	gtttcaatag	gaaggttttc	64560
tggttctccc	tgcttgccaa	atcagaaaca	tatggagagg	tttttcagta	catgtttcat	64620
agcccttctt	tctctgccaa	aattctgata	tagccccctg	gagaacaaca	aaatctggat	64680
ggagtttggg	ccagaattgg	ggtgggggat	agattggctc	ctatgtgctt	ggaaaataac	64740
tcacaacca	ctttcccagt	ggtgattcaa	ttctttgtgt	ccttagacatt	ttttctcatt	64800
ttgttttgtt	tgagacaggg	tctcgctctg	tcaccaggc	tgaggtacag	tggcacaatc	64860
ttagctcact	gtagtcttgg	cacccccggg	ctcaagccat	cctcctgcct	cagcctccca	64920
catagctggg	actacagatg	cgcaccacca	tgcccggcta	agtctttttt	tttttttttt	64980
ttttttttga	gacggagtct	cgtctgttca	cccaggctgg	agtgcagtgg	cgtgatctcg	65040
gctcactgca	agctccgcct	cccagggttc	cgccattctc	ctgcctcagc	ctccagagta	65100
gctgctggga	ctacaggtgc	ccactaccac	acccgactaa	ttttttgtat	tttttagtaga	65160
gatgggggtt	caccatgttg	gccaggatgg	tctcgatctc	ttgacctcgt	gatccaccgc	65220
cctcggcctc	ccaaagtgt	gggattacag	gcgtgagcca	ccacgcccgg	ccaatttttt	65280
gtatttttag	tacagacagg	gtttcaccat	gttagccagg	ttggtcttga	tctcccgacc	65340
ttgtgatccg	cccgtcttgg	cctcccaaag	tgctgggatt	acaggtgtga	gccagcacgc	65400

ccggccctgg	ctaagtctta	gacttttgtt	tccccaacgt	ctaacacagt	ttcatggccc	65460
atagaagata	ctgagtgcac	gaatgaggaa	tgcacgaatg	actcttggca	gacacttcgt	65520
ggtcagcata	aaagagggag	aaagctggct	gggcaaagtg	gctcacacct	gcaatcccag	65580
cactttggga	ggccgaggcc	agtggatc				65608

<210> 181  
 <211> 5190  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 181	gcctgtccta	ctgccgcg	cgccgcggcc	gtcatggggt	tcctgaaact	gattgagatt	60
	gagaacttta	agtcgtacaa	gggtcgacag	attatcggac	catttcagag	gttcaccgcc	120
	atcattggac	ccaatggctc	tggttaagtca	aatctcatgg	atgccatcag	ctttgtgcta	180
	ggtgaaaaaa	ccagcaacct	gcgggtaaaag	accctgcggg	acctgatcca	tggagctcct	240
	gtgggcaagc	cagctgccaa	ccgggccttt	gtcagcatgg	tctactctga	ggaggggtgct	300
	gaggaccgta	cctttgccc	tgtcattgta	ggaggttctt	ctgagtacaa	gatcaacaac	360
	aaagtgggtc	aactacatga	gtacagttag	gaattagaga	agttgggcat	tctcatcaaa	420
	gctcgtaact	tcctcgtttt	ccaggggtgct	gtggaatcta	ttgccatgaa	gaaccccaaa	480
	gagaggacag	ctctatttga	agagattagt	cgttctgggg	acgtggcgca	ggagtatgac	540
	aagcgaaaga	aggaaatggt	gaaggctgaa	gaggacacac	agtttaatta	ccatcgcaag	600
	aaaaatattg	cggctgaacg	caaggaagca	aagcaggaga	aagaagaggc	tgaccggtag	660
	cagcgcctga	aggatgaggt	agtacgggct	caggtacagc	tgcagctctt	taagctttac	720
	cataatgaag	tggaaattga	gaagctcaac	aaggaactgg	cctcaaagaa	caaggagatc	780
	gagaaggaca	agaagcgtat	ggacaagggt	gaggatgaac	tgaaggagaa	gaagaaggag	840
	ctgggcaaaa	tgatgcggga	gcagcagcag	attgagaagg	agatcaagga	gaaggactca	900
	gaattgaacc	agaagcggcc	tcagtacatc	aaagccaagg	agaacacctc	ccacaaaatc	960
	aagaagctgg	aagcagccaa	gaagtctctg	cagaatgctc	agaagcacta	caagaagcgt	1020
	aaaggtgaca	tggatgagct	ggagaaggag	atgctgtcag	tggagaaggc	tcggcaggag	1080
	tttgaagaac	ggatggaaga	agagagtcag	agtcagggca	gagatttgac	gttggaggag	1140
	aatcaggtga	agaaatacca	ccggttgaaa	gaagaagcca	gcaagagagc	agctaccctg	1200
	gcccaggagc	tggagaaatt	caatcgagac	cagaaagctg	accaggaccg	tctggatctg	1260
	gaagaacgga	agaaagtaga	gacagaggcc	aagatcaagc	aaaagctgcg	ggaaattgaa	1320
	gagaatcaga	agcggattga	gaaactggag	gaatacatca	ccactagcaa	gcagtcctta	1380
	gaagagcaga	agaagctaga	gggggagctg	acagaggagg	tggagatggc	caagcggcgt	1440
	attgatgaaa	tcaataagga	gctgaaccag	gtgatggagc	agctagggga	tgcccgcac	1500
	gaccgccagg	agagcagccg	ccagcagcga	aaggcagaga	taatggaaa	catcaagcgc	1560
	ctttaccctg	gctctgtgta	cggccgcctc	attgacctat	gccagcccac	acaaaagaag	1620
	tatcagattg	ctgtaaccaa	ggttttgggc	aagaacatgg	atgccattat	tgtggactcg	1680
	gagaagacag	gccgggactg	tattcagtat	atcaaggagc	agcgtgggga	gcctgagacc	1740
	ttcttgctc	ttgactacct	ggaggtgaag	cctacagatg	agaaactccg	ggagctgaag	1800
	ggggccaagc	tagtgattga	tgtgattcgc	tatgagccac	ctcatatcaa	aaaggccctg	1860
	cagtatgctt	gtggcaatgc	ccttgtctgt	gacaacgtgg	aagatgcccg	ccgcattgcc	1920
	tttggaggcc	accagcgcca	caagacagtg	gactggatg	gaaccctatt	ccagaagtca	1980
	ggagtgatct	ctggtggggc	cagtgacctg	aaggccaagg	cacggcgctg	ggatgagaaa	2040
	gcagtagaca	agttgaaaga	gaagaaggag	cgcttgacag	aggagctgaa	agagcagatg	2100
	aaggcaaaa	ggaaagaggc	agagctgcgt	caggtgcagt	ctcaggccca	tggactgcag	2160
	atgcggctca	agtactccca	gagtgcacta	gaacagacca	agacacgaca	tctagccctg	2220
	aatctgcagg	aaaaatccaa	gctggagagt	gagctagcca	actttggggc	tcgcattaat	2280

gatatacaaga	ggatcattca	gagccgagag	agggaaatga	aagacttgaa	ggagaagatg	2340
aaccaggtag	aggatgaggt	gtttgaagag	ttttgtcggg	agattggtgt	gcgcaacatc	2400
cgggagtttg	aggaagaaaa	ggtgaaacgg	cagaatgaaa	tcgccaagaa	gcgtttggag	2460
tttgagaatc	agaagactcg	cttgggcatt	cagttggatt	ttgaaaagaa	ccaactgaag	2520
gaggaccaag	ataaagtaca	catgtgggag	cagacagtga	aaaaagatga	aatgagata	2580
gaaaagctca	aaaaggagga	acaaagacac	atgaagatca	tagatgagac	catggctcag	2640
ctacaagacc	tgaagaatca	gcatctggcc	aagaagtcgg	aagtgaatga	caagaatcat	2700
gagatggagg	agattcgtaa	gaaactcggg	ggcgccaaca	aggaaatgac	ccatttacag	2760
aaggaggtga	cagccattga	gaccaagctt	gaacagaagc	gcagtgaccg	tcacaacttg	2820
ctacaggcct	gtaagatgca	ggacattaag	ttgccactgt	caaaaggcac	catggatgat	2880
attagtcagg	aagagggtag	ctcccagggg	gaggactcag	tgagtggttc	acagagaatt	2940
tccagtatct	atgcacgaga	ggccctcatt	gagattgact	acggtgatct	gtgtgaggat	3000
ctgaaggatg	cccaggctga	ggaagagatc	aagcaagaga	tgaacacact	gcagcagaag	3060
ctgaatgagc	agcagagtgt	gcttcagcgt	attgccgccc	ccaacatgaa	ggccatggaa	3120
aagctggaaa	gtgtccgaga	caagttccag	gagacctcag	atgagtttga	agcagcccga	3180
aagcgagcaa	agaaggccaa	gcaggcattc	gaacagatca	agaaggagcg	ctttgaccgc	3240
ttcaatgctt	gttttgaatc	tgtggctacc	aacattgatg	agatctataa	ggccctgtcc	3300
cgcaatagca	gtgcccaggc	attcctgggc	cctgagaacc	ctgaagagcc	ctacttggat	3360
ggcatcaact	acaactgtgt	ggctcctggg	aaacgcttcc	ggcctatgga	caacttgtca	3420
ggcggggaga	agacagtggc	agctctggcc	ctgctctttg	ccatccacag	ctacaagcca	3480
gcccccttct	tcgtcctgga	tgagattgat	gctgccttgg	ataacaccaa	cattggcaag	3540
gtggcaaatt	acatcaagga	gcagtgcact	tgcaacttcc	aggccatcgt	catctctctc	3600
aaggaggagt	tctacaccaa	ggccgagagc	ctcattggag	tctatcctga	gcaaggggac	3660
tgtgtgatca	gcaaagtcct	gaccttcgac	ctcaccaagt	acccagatgc	caaccccaac	3720
cccaatgagc	agtagcagta	tttttgccct	cccgcctgt	ctggatccct	aagctgtccc	3780
tctcccaatc	tctggatatt	tgactcccaa	ccttccccct	acctcctggc	cctttttggt	3840
gtagtcatgg	gatttaggca	ctgctaatac	agcatgaaga	ggaacagagg	tgatgttagg	3900
tctggagcaa	aaattcctga	acgacaggga	gtattctggc	ctctgaaagg	aggtgctgag	3960
ctgaacaggg	ccatctgtnc	atcacacaca	ccnnttctc	cctcatcacc	cataatcgtg	4020
gncccccttg	ctcttgccca	ctgtgtgtgt	gggtatgtat	gtgtgtatgt	atgtatccgc	4080
atgtgtgcat	gtgagtatgt	ttgcaaaata	ataaaggata	ttggagacct	gttttagaag	4140
gagcctaggc	tgaatttgat	tccaagagag	cttaggatga	cagcaccctc	gagctgggca	4200
aaggtagtca	ggacctcata	ggagtcttag	gcagttacct	gaaactgcct	tcattcactc	4260
atttgtgtat	tcattcattt	atgtattcat	cagacacata	ccgaacaccc	tctatttgtc	4320
aggctctgtg	cttggaaatac	agagttgaat	cagacatgat	ctctaccctc	ctagtaagga	4380
gatacagtgg	gttcatgaat	gactatagtt	agctgaatgt	catatgtacn	nttnnngaag	4440
ttgagaagtg	gntgatcccc	tctaggcttc	ctggagggtca	catttaagct	agaccttgac	4500
aaattggtag	gatttgggtca	ggcactagga	gtggagcatg	agctctgggg	acagacagtt	4560
atgggttctg	gtcccacttt	ttatcactta	ctagttgttt	gaccttgggc	aagtcatttg	4620
accttctgtg	cctcagtttc	ctcatctgta	aaatggggct	aacaatatta	cctacctcat	4680
aggatttaag	gatgtcaagc	tcctcactgn	agnccttatn	ccnttcgtgn	agcccactag	4740
gtgccgaccc	ctcagaatat	aatcctcatg	cctgacccct	gagagcttct	gatcccagct	4800
attaggacag	aagaagcctc	caaactctgga	aggtgctgaa	tgccctgctg	actgggaaag	4860
tttcagggca	ctgatggggg	ctacctggta	agcggagggc	ctgaggaaac	ctgtagcttc	4920
aatcatgtct	ggtaaccggg	tgctgagcc	ccaactctgg	ttgtgaggaa	ataggggaga	4980
ggtatcctgg	gccacatccc	agcctaacac	ctgtgaggtt	catttttagga	actaacctca	5040
ttagctataa	ggatcatgca	gaggcagcaa	agccgggtgc	gatgagctca	gcctttactc	5100



attcacatac	accatcacac	tttaattcca	atctgtatat	tgcttttttaa	aagttaagtc	5160
cattctaata	ncccaaata	gcatgaattc				5190

<210> 182  
 <211> 4068  
 <212> DNA  
 <213> Homo sapiens

<400> 182	aacagacaca	gactcgcagg	ccctcttcat	tctaaagcaa	gggtccaaaa	ccttttttct	60
	ataaagggcc	agagagtaaa	taatttaggc	tttgtgagcc	aggcagtctg	ttgcagctac	120
	gcagtccttg	gttattatag	tgcaaaaaca	gccataggca	gcatgtacag	aaatgagcat	180
	aacctgctc	caacaaaact	ttattttacag	gcactaatgt	ttaaatttca	ggtaattttc	240
	acatgtcaca	aaatatcact	tttctttaac	cacttaaaag	tataaaagcc	attcttagtt	300
	tgcaggcagt	acagaaacag	tttcagccca	tgggctgtca	tttgttgacc	cctattcaag	360
	agggtctgtc	acagaagact	cctgcttgcc	tgaaatttac	gagtgcagt	aaatgttgga	420
	attaacaggt	gtgcctgttt	tctcttatgc	tgtctttcat	cttcaggaac	agccaggaag	480
	acgctgcact	tcgagatttc	caaggaaggc	agtgcctgt	cagtgggtga	gcgtgcagaa	540
	gtctggctct	tcctaaaagt	ccccaggcc	aacaggacca	ggaccaaagt	caccatccgc	600
	ctcttcagc	agcagaagca	cccgaggcc	agcttgga	caggggaaga	ggccgaggaa	660
	gtgggcttaa	agggggagag	gagtgaactg	ttgctctctg	aaaaagtagt	agacgctcgg	720
	aagagcacct	ggcatgtctt	ccctgtctcc	agcagcatcc	agcggttgct	ggaccagggc	780
	aagagctccc	tggacgttcg	gattgcctgt	gagcagtgcc	aggagagtgg	cgccagcttg	840
	gttctcctgg	gcaagaagaa	gaagaaagaa	gaggaggggg	aagggaaaaa	gaagggcgga	900
	gggtgaaggtg	gggcaggagc	agatgaggaa	aaggagcagt	cgcacagacc	tttcctcatg	960
	ctgcaggccc	ggcagtctga	agaccaccct	catcgccggc	gtcggcgggg	cttgagtggt	1020
	gatggcaagg	tcaacatctg	ctgtaagaaa	cagttctttg	tcagtttcaa	ggacatcggc	1080
	tggaatgact	ggatcattgc	tccctctggc	tatcatgcc	actactgca	gggtgagtgc	1140
	ccgagccata	tagcaggcac	gtccgggtcc	tactgtcct	tccactcaac	agtcataaac	1200
	cactaccgca	tgcggggcca	tagccccttt	gccaacctca	aatcgtgctg	tgtgccacc	1260
	aagctgagac	ccatgtccat	gttgactat	gatgatggc	aaaacatcat	caaaaaggac	1320
	attcagaaca	tgatcgtgga	ggagtgtggg	tgtcataga	gttgccagc	ccagggggaa	1380
	agggagcaag	agttgtccag	agaagacagt	ggcaaatga	agaaattttt	aaggtttctg	1440
	agttaaccag	aaaaatagaa	attaaaaaca	aaacaaaaaa	aaaaacaaaa	aaaaacaaaa	1500
	gtaaattaaa	aacaaaacct	gatgaaacag	atgaaggaag	atgtggaaaa	aatccttagc	1560
	cagggtcag	agatgaagca	gtgaaagaga	caggaattgg	gagggaaagg	gagaatggtg	1620
	taccctttat	ttcttctgaa	atcacactga	tgacatcagt	tgtttaaacg	gggtattgtc	1680
	ctttccccc	ttgaggttcc	cttgtgagcc	ttgaatcaac	caatctagtc	tgcagtagtg	1740
	tggactagaa	caacccaaat	agcatctaga	aagccatgag	tttgaaaggg	cccatcacag	1800
	gcactttcct	acccaattac	ccaggtcata	aggtatgtct	gtgtgacact	tatctctgtg	1860
	tatatcagca	tacacacaca	cacacacaca	cacacacaca	ggcatttcca	cacattacat	1920
	atatacacat	actggtaaaa	gaacaatcgt	gtgcagggtg	tcacacttcc	tttttctgta	1980
	ccacttttgc	aacaaaacaa	aacaaacaac	attaaaaaat	tgagaacaag	tatggaaaga	2040
	atgaaagatc	aaggaaaaaa	gaataccaag	ttacatttcg	ttaaggtgct	tatgatctta	2100
	gaactatgca	acctaatagg	tttgaaactg	tttacctgag	agagaacaaa	aagagagact	2160
	tttttgtatt	ggaagtaatc	tgattaattt	ttattttctt	caaggagaga	tacttgaaag	2220
	gaatatgttt	gtccatctgt	tggatccaaa	catttctata	ttttgtaa	gttggtgttg	2280
	tttttttttt	aatcgtttac	tatttgcact	acaatgggtg	ttgacctgtc	taatccttat	2340
	ttaacaagta	ttttctttgg	ttgggggtgg	gggtgggggt	taagagctgc	acttaatgtg	2400
	agctataaaa	gaactgctac	agcacacaaa	atagctat	ttattattat	aattataatt	2460
	attattatta	ttttgtacct	taaaaaatag	acacatacac	caaagacatt	tgtgtgagcc	2520

tttaaacagt	ctgtctgtgg	ttggatcat	tcaccatcaa	tgagtcaggg	gttgggattc	2580
aaggttgagt	agtgtggatt	gtgttcaggc	ttaaaagacc	tgagaagttt	ggtttttgac	2640
tcctttttaca	tccatgaaac	aggacatttc	atactggatg	tacagtagtt	gtacactgtt	2700
ggatatcaag	ttcaatcaaa	ttcatggaac	tacatgcttg	tatgtgtata	tatacattgc	2760
ttgtgcatat	gcatatctgt	atgtatatat	acatgtattg	taccatgtcc	atacacattt	2820
taagcacttc	aggctgtcat	tttttaatgt	tcttaaagca	atgaatgttt	gtgtgcaaaa	2880
cacagtattt	ttaagaagga	taggctatag	tttttgcttt	tactctgaac	taggtgggcg	2940
catttcacaaa	attcggatgg	gaaaaagcct	ggaaattcca	gtgaatattc	agcaaggccc	3000
tctttcattg	tacagggatc	aaatttcctc	ctcttttttg	tgccccctcc	cacttctaca	3060
agttatcccc	tgtggggaaa	acaggatgat	aatcaaaact	ctgggctgat	gtttttccaa	3120
cttagtgtct	attggaatca	atcttaaate	agaagctttt	tcagaaaaat	aatatttagg	3180
ccagaattag	agttgagtgt	atttttttaa	aatgattaag	gcttggttgt	gagaaatatt	3240
acctgtacca	gctgggaaaa	ataatgtcat	cactaactaa	aagataatta	atttgagaga	3300
aagtgttaag	agagggagag	taaggaagag	aacagttaag	aggaggcaga	ggtgagggca	3360
gtagtaaaaa	tctctaaaat	tttaattttac	agccaaaatt	cttcatgtgt	aaattttgat	3420
tgattcagat	gcagaaatga	aaaaaaaaaca	cctttgtttt	ataaatatca	aagtacatgc	3480
ttaaagccaa	gtttttatct	agttttattct	agtacttagc	ttgcctggaa	tagctaataa	3540
attattcatg	tatgtgcttt	tgaaaatcca	gagccctatt	tttacacact	tgtgtgaagt	3600
tggcaaakat	tttgaaaaat	ggaaaaaagt	ttctaataat	tgggaacaat	tacattaatt	3660
aatattttgt	aaaatattga	agcttttagc	cctatgtcaa	ttttagatt	aaaataaatt	3720
aattatagga	aaggaagata	acagtgagaa	accaaactt	acaaaagggtg	gttttagctct	3780
ccttgaaaaa	tatactaagt	tggtatacta	taacacttgg	ctatatgtag	gcaatgtcac	3840
tactgggcaa	atacacttac	tgtgttctag	aggcagccct	ttcttatgca	gaaaatacaa	3900
tacgactgc	atgagaagct	tgagagtggg	ttctaatacca	ggtctgtcga	ccttgatat	3960
catgcatgtg	ggaagggtgg	tgtggtgaga	aaagttttta	ggcaagagta	gatggccatg	4020
ttcaacttta	caaaatttct	tggaaaactg	gcagtatttt	gaactgca		4068

<210> 183  
 <211> 696  
 <212> DNA  
 <213> Homo sapiens

<400> 183	ttcccccccc	ccccccccca	gcacaggaca	cagctgggtt	ctgaagcttc	60
	tgagttctgc	agcctcacct	ctgagaaaaac	ctctttttcca	ccaataccat	120
	gtgactgtcc	tgtctctcct	catgctagta	gctgccttct	gctctccagc	180
	ccaatgggct	cagaccctcc	caccgcctgc	tgtttttctt	acaccgcgag	240
	cgcaactttg	tggtagatta	ctatgagacc	agcagcctct	gctcccagcc	300
	ttccaaacca	aaagaagcaa	gcaagtctgt	gctgatccca	gtgaatcctg	360
	tacgtgtatg	acctggaact	gaactgagct	gctcagagac	aggaagtctt	420
	cacctgagcc	cggtatgcttc	tccatgagac	acatctcttc	catactcagg	480
	gcagttcctg	tcccttctct	taattttaatc	ttttttatgt	gccgtgttat	540
	gtcattttcca	ttattttatat	tagtttagcc	aaaggataag	tgtcctatgg	600
	ctgtcactgt	ttctctgctg	ttgcaaatac	atggataaca	catttgattc	660
	ccataataaaa	acttttaaaat	aaaatgcaga	cagtta		696

<210> 184  
 <211> 860  
 <212> DNA  
 <213> Homo sapiens

<400> 184	gactctcact	gtcattgcag	aaaactcttc	tacagaaatt	actctcaaag	aaacctgagg	60
	atcgacctaa	cacatctgaa	atactaagga	ccttgactgt	gtggaagaaa	agcccagaga	120
	aaaatgaacg	acacacatgt	tagagccctt	ctgaaaaagt	atcctgcttc	tgatatgcag	180

ttttccttaa	attatctaaa	atctgctagg	gaatatcaat	agatatttac	cttttatttt	240
aatgtttcct	ttaatttttt	actattttta	ctaacttttc	tgcagaaaca	gaaaggtttt	300
cttctttttg	cttcaaaaac	attctttacat	tttacttttt	cctggctcat	ctctttattc	360
tttttttttt	ttttaaaagac	agagtctcgc	tctgttgccc	aggctggagt	gcaatgacac	420
agtcttggct	cactgcaact	tctgcctctt	gggttcaagt	gattctcctg	cctcagcctc	480
ctgagtagct	ggattacagg	catgtgccac	ccaccaact	aatttttgtg	tttttaataa	540
agacagggtt	tcaccatggt	ggccaggctg	gtctcaaact	cctgacctca	agtaatccac	600
ctgcctcggc	ctcccaaagt	gctgggatta	cagggatgag	ccaccgcgcc	cagcctcatc	660
tctttgttct	aaagatggaa	aaaccacccc	caaattttct	ttttatacta	ttaatgaatc	720
aatcaattca	tatctattta	ttaaattttct	accgctttta	ggccaaaaaa	atgtaagatc	780
gttctctgcc	tcacatagct	tacaagccag	ctggagaaat	atggtactca	ttaaaaaaaa	840
aaaaaaaaagtg	atgtacaacc					860

<210> 185  
 <211> 924  
 <212> DNA  
 <213> Homo sapiens

<400> 185	cgaccgcgga	gcagcaccat	gtcgggcgcg	gcggccaaag	tcagtaaaaa	ggagctcaac	60
	tccaaccacg	acggggccga	cgagacctca	gaaaaagaac	agcaagaagc	gattgaacac	120
	attgatgaag	tacaaaatga	aatagacaga	cttaatgaac	aagccagtga	ggagattttg	180
	aaagtagaac	agaaatataa	caaactccgc	caaccatttt	ttcagaagag	gtcagaattg	240
	atcgccaaaa	tcccaaattt	ttgggtaaca	acatttgtca	accatccaca	agtgtctgca	300
	ctgcttgggg	aggaagatga	agaggcactg	cattatttga	ccagagttga	agtgcagaaa	360
	tttgaagata	ttaaatacagg	ttacagaata	gattttttatt	ttgatgaaaa	tccttacttt	420
	gaaaataaag	ttctctccaa	agaattttcat	ctgaatgaga	gtggtgatcc	atcttcgaag	480
	tccaccgaaa	tcaaatggaa	atctggaaaag	gatttgacga	aacgttcgag	tcaaacgcag	540
	aataaagcca	gcaggaagag	gcagcatgag	gaaccagaga	gcttctttac	ctgggtttact	600
	gaccattctg	atgcagggtc	tgatgagtta	ggagagggtca	tcaaagatga	tatttggcca	660
	aaccatttac	agtactactt	ggttcccgat	atggatgatg	aagaaggaga	aggagaagaa	720
	gatgatgatg	atgatgaaga	ggaggaagga	ttagaagata	ttgacgaaga	aggggatgag	780
	gatgaagggtg	aagaagatga	agatgatgat	gaaggggagg	aaggagagga	ggatgaagga	840
	gaagatgact	aaatagaaca	ctgatggatt	ccaaccttcc	ttttttttaa	ttttctccag	900
	tccttgggag	caagttgcag	tctt				924

<210> 186  
 <211> 1774  
 <212> DNA  
 <213> Homo sapiens

<400> 186	gaggcaatgg	ccggcaacca	gctgtaagcg	aggcacggaa	gacatatgct	tgtgagacaa	60
	aggtgtctct	gaaactatgg	atggtacaag	aacttcactt	gacattgaag	agtactcgga	120
	tactgaggta	cagaaaaacc	aagtactaac	tctggaagaa	tggcaagaca	agtgggtgaa	180
	cggcaagact	gcttttcatc	aggaacaagg	acatcagcta	ttaaagaagc	atttagatac	240
	tttctttaa	ggcaagagtg	gactgagggg	attttttctt	ctttgcggaa	aagcggttga	300
	gatgaaatgg	tttgacagacc	ggggacacag	tgtagttggg	gtggaaatca	gtgaacttgg	360
	gatacaagaa	ttttttacag	agcagaatct	ttcttactca	gaagaaccaa	tcaccgaaat	420
	tcctggaacc	aaagtattta	agagttcttc	ggggaacatt	tcattgtact	gttgacgtat	480
	ttttgatctt	cccaggacaa	atattggcaa	atttgacatg	atttgggata	gaggagcatt	540
	agttgccatt	aatccagggtg	atcgcaaagt	ctatgcagat	acaatgtttt	ccctcctggg	600
	aaagaagttt	cagtatctcc	tgtgtgttct	ttcttatgat	ccaactaaac	atccagggtcc	660
	accattttat	gttccacatg	ctgaaattga	aaggttgttt	ggtaaaatat	gcaatatacg	720

ttgtcttgag	aagggtgatg	cttttgaaga	acgacataaa	agttggggaa	ttgactgtct	780
ttttgaaaag	ttatatctac	ttacagaaaa	gtaaatgaga	catagataaa	ataaaatcac	840
actgacatgt	ttttgaggaa	ttgaaaatta	tgctaaagcc	tgaaaatgta	atggatgaat	900
ttttaaaatt	gtttataaat	catatgatag	atctttacta	aaaatggcct	tttagtaaag	960
ccatttactt	tttctaaaaa	agttttagaa	gaaaaagatg	taactaaact	tttaaagtag	1020
ctcctttgga	gaggagatta	tgatgtgaaa	gattatgcct	atgtgtcttg	cagattgcaa	1080
gatattttac	caatcagcat	gtgttacctg	tacaattaaa	aaaatatttc	aaaatgcaat	1140
gcatattaaa	tataatacac	acagaaaaac	tggcatttat	tttgttttat	ttttttgaga	1200
tggagtttcg	ttcttgttgc	ccaacctgga	gtgcaatggt	gcaatctcag	ctcactgcaa	1260
cctctgcctc	ccagggttcag	gtgattctcc	tgccctcagcc	tcctgagtag	ctgggattac	1320
aggtgtgctc	caccacgccc	agctaatttt	ttgtattttt	agtagagaca	gggtttcacc	1380
atgttggtca	ggctgatctc	gagctcctga	cctcaggtga	tctaccacc	tcggcctccc	1440
aaagtgtctg	gattacaggc	gtgagccact	gcacctggcc	tgacattctt	tatgaaattt	1500
agaattgttg	aagaactata	acatttcagt	agggttcaag	gtggtcccaa	aagttatata	1560
aaagattagt	ttttactata	aacccttgct	ttttactcag	atcctagcat	cccttttcae	1620
atggtttctc	catgtatata	acagaatcaa	gaaacaaatt	ttaattaaac	aatctgtaac	1680
agaatcaaga	aacaaatata	ttttaattaa	acaatctata	tggaaacaaac	attcccaaatt	1740
tctaagaata	aatttttctt	taagttttct	ctga			1774

<210> 187  
 <211> 851  
 <212> DNA  
 <213> Homo sapiens

<400> 187	gggagctcaa	agtgtgcctt	ctcggggaca	ctgggggttg	gaaatcaagc	atcgtgtgtc	60
	gatttgtcca	ggatcacttt	gaccacaaca	tcagccctac	tattggggca	tcttttatga	120
	ccaaaactgt	gccttggtga	aatgaacttc	acaagttcct	catctgggac	actgctggtc	180
	aggaacgggt	tcattcattg	gctcccattg	actatcgagg	ctcagctgca	gctgttatcg	240
	tgtatgatat	taccaagcag	gattcatttt	ataccttgaa	gaaatgggtc	aaggagctga	300
	aagaacatgg	tccagaaaac	attgtaattg	ccatcgctgg	aaacaagtgc	gacctctcag	360
	atattagggg	ggttcccctg	aaggatgcta	aggaatacgc	tgaatccata	gggtccatcg	420
	tggttgagac	aagtgcaaaa	aatgctatta	atatcgaaga	gctctttcaa	ggaatcagcc	480
	gccagatccc	acccttggac	ccccatgaaa	atggaaacaa	tggaaacaatc	aaagttgaga	540
	agccaacat	gcaagccagc	cgccggtgct	gttgacccaa	gggcgtggtc	cacggtactt	600
	gaagaagcca	gagcccacat	cctgtgcact	gctgaaggac	cctacgctcg	gtggcctggc	660
	acctcacttt	gagaagagt	agcacactgg	ctttgcatcc	tggaaaggcct	gcagggggcg	720
	gggcaggaaa	tgtacctgaa	aaggatttta	gaaaaccctg	ggaaaccac	cacaccacca	780
	caaaatggcc	tttagtgtat	gaaatgcaca	tggaggggat	gtagttgcat	ttttgctaaa	840
	aaaaaaaaaa	a					851

<210> 188  
 <211> 2187  
 <212> DNA  
 <213> Homo sapiens

<400> 188	gcgcgcgctc	ccgcaggccg	tgatgccgcc	cgcgcgagg	tggcccgga	cgcagtgcgc	60
	caagagagct	ctaattgtac	caagtgcag	gttggtttta	ctgtgactcg	gggacgccag	120
	agctcctgag	aagatgtcag	caatacaggc	cgcttgccca	tccggtacag	aatgtattgc	180
	caagtacaac	ttccacggca	ctgccgagca	ggacctgccc	ttctgcaaag	gagacgtgct	240
	caccattgtg	gccgtcacca	aggaccccaa	ctggtacaaa	gccaaaaaca	aggtgggccc	300
	tgagggcatc	atcccagcca	actacgtcca	gaagcgggag	ggcgtgaagg	cgggtaccaa	360
	actcagcctc	atgccttggt	tccacggcaa	gatcacacgg	gagcaggctg	agcggcttct	420
	gtacccgccc	gagacaggcc	tggttcctgg	gcgggagagc	accaactacc	cgggagacta	480

```

cacgctgtgc gtgagctgcg acggcaaggt ggagcactac cgcacatgt accatgccag 540
caagctcagc atcgacgagg aggtgtactt tgagaacctc atgcagctgg tggagcacta 600
cacctcagac gcagatggac tctgtacgcg cctcattaaa ccaaagggtca tggagggcac 660
agtggcgccc caggatgagt tctaccgagc cggctgggcc ctgaacatga aggagctgaa 720
gctgctgcag accatcggga agggggagtt cggagacgtg atgctgggcg attaccgagg 780
gaacaaagtc gccgtcaagt gcattaagaa cgacgccact gccaggcct tcctggctga 840
agcctcagtc atgacgcaac tgcggcatag caacctgggtg cagctcctgg gcgtgatcgt 900
ggaggagaag ggcgggctct acatcgtcac tgagtacatg gccaaagggga gccttgtgga 960
ctacctgcgg tctaggggtc ggtcagtgct gggcgagac tgtctcctca agttctcgtc 1020
agatgtctgc gaggccatgg aatacctgga gggcaacaat ttcgtgcac gagacctggc 1080
tgcccgcaat gtgctggtgt ctgaggacaa cgtggccaag gtcagcgact ttggtctcac 1140
caaggaggcg tccagcacc aggacacggg caagctgcca gtcaagtgga cagcccctga 1200
ggccctgaga gagaagaaat tctccactaa gtctgacgtg tggagtttcg gaatccttct 1260
ctgggaaatc tactcctttg ggcgagtgcc ttatccaaga attcccctga aggacgtcgt 1320
ccctcgggtg gagaagggt acaagatgga tgccccgac ggctgcccgc ccgcagtcta 1380
tgaagtcagc aagaactgct ggcacctgga cgccgccatg cggccctcct tcctacagct 1440
ccgagagcag cttgagcaca tcaaaaccca cgagctgcac ctgtgacggc tggcctccgc 1500
ctgggtcatg ggcctgtggg gactgaacct ggaagatcat ggacctgggtg cccctgctca 1560
ctgggcccga gcctgaactg agccccagcg ggctggcggg cctttttcct gcgtcccagc 1620
ctgcacccct ccggccccgt ctctcttgga cccacctgtg gggcctgggg agccactga 1680
ggggccaggg aggaaggagg ccacggagcg ggaggcagcg cccaccacg tcgggcttcc 1740
ctggcctccc gccactcgcc ttcttagagt ttatttcctt tccttttttg agattttttt 1800
tcctgtgtgt tattttttat tatttttcaa gataaggaga aagaaagtac ccagcaaagt 1860
ggcattttac aagaagtacg aatcttattt ttctgtcctt gcccgtagag gtggggggga 1920
ccgggccccct ctctagggac ccctcgcccc agcctcattc cccattctgt gtcccatgtc 1980
ccgtgtctcc tcggtcgccc cgtgtttgcg cttgacctg ttgactgtt tgcagcgcc 2040
cgaggcagac gtctgtcagg ggcttgatt tcgtgtgccg ctgccaccg cccaccgccc 2100
ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgccgcccgc ctggcgctt 2160
cctccaccga aaaaaaaaaa aaaaaaa 2187

```

```

<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 189
tttttttttt ttttttcata aatacacaaat tttatttgct atttccaggg gaaacttagg 60
cattaaactg taagctgata aaatacgata ctaaaaaaag tataaaagta taaatatccc 120
cttagaataa atttttagtga attaatgtctt aatatcttta aattaaaaaa accacaagcc 180
tatctactat gtcaagggtca aaaatcaaac aacgctaagc ggccancagc tccccagaga 240
ggatgccccag gagcccc 257

```

```

<210> 190
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 190
tggaataatg gcaacagaaa gactggctaa ctacaccgga gcacatctatgc naataccagg 60

```

```
acaccacata tataaaccat gtcgtttccg tggctgggtg gggcatcagt gatgggactg 120
agtactggat tgtccggaat tcatgggggtg aaccatgggg cngagagagg ctggctgagg 180
atcgtgacca gcacctataa ggatgggaag ggcccgagat acaaccttgc catcgaggag 240
cactgtacat ttggggaccc catcgtttaa ggccatgtca ctagaagcgc agttttaaga 300
aaaaggcatg gtgacccatg gaccagaggg gatcctatgg ttatgtgtgc caggctggct 360
ggcaggaact ggggtggcta tcaatattgg atggcgagga cagcgtggta ctggctgcga 420
gtgttcctga gagttgaaag tgggatgact tatgacactt gcacagcatg gctctgctca 480
caatgatgca gtcagccacc tggatgaagaa gtgacctgca acacaggnaa ccgatgggac 540
ctcagtcttc ttcagcagag gactttt 567
```

```
<210> 191
<211> 456
<212> DNA
<213> Homo sapiens
```

```
<400> 191
catatatata tgcagtctgc ttgattatca gcaaatgggt cagcctttat cagatagttt 60
cttcatgtgg agttcatctg catgtggccc ttactctgaa gcctcttcct gatctggagc 120
cacagtctgt ctgtcttcca gttcatctca gtcctcgaga aaggcccttt aaatatgtca 180
ctttcccat ttcctttaac catgggttgt gtgagccaga aagagctttg agaaagatgg 240
ctgcttccac cagggtggag gcttctaggt ctgcatgatg atggggcccg tttctggcca 300
gagggtggct ctgggagcag ttgtgctgcg ggcttgctgg gggagaactc taactgttgc 360
agaaacagag cttcatggct tgcttaatt acttagctgg aatattttta agtgtcagat 420
aatgtgatgt acaaagagag tatgccgatg catttc 456
```

```
<210> 192
<211> 485
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 192
tttttttttt tttatttttg cttaaatttta ttttcaaagt ttcaaacctt tccaattttt 60
ttttattttt taccctaaaa aaggtatcaa tacttttcat tccactcttg tcaactttag 120
ccaaagcctt ctgagctgca gtcattttgc tatttttctt ttcagtcttc aaatctttag 180
tattaaactt agtgtaatct tcttttgctt ctacaggctc atctgataac tttattttct 240
ttgatggagg atttggaat gaggtgaag gttctggaag cttaagtat ttagataagt 300
catcacttaa ttcttttagg atgtagtcag atatcagacc atgggcataa cgaaatataa 360
tcctcttcct tgtcagtgga agcttggtca ccagagaaaa atgcagtgac tgtaccggg 420
gaactggaca ttcacattat tgggnnttta atgctgccac agtttgatta accntttttt 480
tccaa 485
```

```
<210> 193
<211> 297
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 193
ctttttttca gggttaaata ataatncaa gtgcttttaa tgaacttatt ttttaattggc 60
tagggagcaa aaaataagtn agtnctgctt ttagttagtt aaccttggtc ttttcttaaa 120
tagtacactg catggtatct aatattccag gaagcatggg atttnatttt gcttgatttg 180
ggcacatgaa ataatagctc taggaaaatg cgcactctta tgactctttg taaagagagg 240
catttcttac aactgtgatg tttgcttaca taaaagttac ctcataagtt aattcta 297
```

```
<210> 194
```



```

actcctcttg ctcgtcatgt ctggccgcgn aaaggcgggg agggctcttg caaaggcggc    60
gctaacacgc gtnaaagtac tgcgcgacaa tatccagggc atcaccaagg ctnacatnnc    120
gcacttttgc cgccgctgcg ctgganagcg attctccggc ctcactctac aggagactcg    180
cggggtgctg aaggtgttcc tggagaacgt gatccgggac gccgtgacct atacagagca    240
cgccaagcgc aagacgggtca ccgccatgga tgtgggtctac gcgctcaagc cagggggccgc    300
accctcttac ggttttcggg ggttgagcgt ctttttctta ccaattaaaa ggcccttttt    360
cagggaacc ctttaaaaaa aa                                         382

```

```

<210> 197
<211> 839
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 197
gnnnnnnnnnn nnnnnnnnnnt tnttgagnac cgcagtngca gcagcagcag ccgctgncgc    60
aaacaagccc tcccacgttt gaggggagtc atgagccgtt tcctgaatgt gttaagaagt    120
tggctgggta tgggtgtccat catagccatg gggaacacgc tgcagagctt ccgagaccac    180
acttttctct atgaaaagct ctacactggc aagccaaacc ttgtgaatgg cctccaagct    240
cggacctttg ggatctggac gctgctctca tcagtgttc gctgcctctg tgccattgac    300
attcacaaca agacgtctta tcacatcaca ctctggacct tcctccttgc cctggggcat    360
ttcctctctg agttgtttgt cttatggaac tgcagctccc acgattggng tcctggcanc    420
cctgatgggt gnaagtttct ccctcctggg tattgtgggt ggctccngta ttttagaagt    480
agaaccagtt ccagacagaa gaagagaact gaggcagaat atcaacccca ggggtggatca    540
antgggttac aagtgggtta aaannnnnnn nnnnnnnnnc nnnntnntnt naannnnnnn    600
nnnnnnnnnn nnnnnnnnna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc    839

```

```

<210> 198
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 198
cgaaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttgatg tgggccttag    60
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga    120
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg    180
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta    240
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggcttagat    300
ctttcattcc acctcaggaa tgaggttggt atctttcctg tcctgacct ctctgaatta    360
tgtttcaata gtactcttga ttgtctgcca tgttggtgaa gcaaatgaat tattttttaa    420
tgtaagtaa gtaaataaac cttagcccgt caaaaaaaaaa aaaaaaaaaa    470

```

```

<210> 199
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 199
cctcttggtt tctgcagagg atcagctggg cctgtccctg ctcagcctgg agcagctaga    60
atcagaggag acgctgaaga ggatagagca gattgctcag cagctctgag tggggcgggt    120
ggggccataa acggttccct gtgactcctg agtcttgctt ggccctggtt ccagcggcg    180
gtggtgctag aaggtcttat gaagtcaggt gacatttctc actgtcacgt ccacagcctt    240
taatcgcagg agaaggcagc tatccaccag gtacc                                         275

```



<210> 200  
<211> 738  
<212> DNA  
<213> Homo sapiens

<400> 200  
aatacagcgc attcaacttg caaacaccct tccactccca caaagagcaa gctgtcactg 60  
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccacca ctcggtgacc 120  
aaatttgaaa aaaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaaag 180  
tttgtattta aggaactggt tcagttcata ctttccactg cgataggaat catgtctggt 240  
cgcggaag gcggaag cttggggaag ggtggtgcta agcgccatcg taagggtgctc 300  
cgggataaca tccagggcat tacaaaaccg gctatccgcc gtttggtctg gcgcggtggg 360  
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420  
gagaacgta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480  
gccatggatg tagtatatgc cctaaaacgt caggggcgca ctctgtatgg cttcggcggc 540  
tgaatctaag aatacgcggt ctcttgagaa cttcaaaaaa caaaaaaacc caaaggccct 600  
tttcagggcc gtcacaaaag tcgtttaaag agctgaaatg cgttgcgaga atgagtttgg 660  
atgacagaaa taaccgtgac agcctgcata agaataaatt gtgtttgcca tgaccggcca 720  
cactgtgaca aaatttca 738

<210> 201  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 201  
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat 60  
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag 120  
gacctaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa 180  
gccattacaa actggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc 240  
ctgccccctc acacactgtc tgagcgtgca cttttcttct gaaggctaatt ttatgaggca 300  
ttctgcctga gtcagggcta ttgctaagtg gaagggttga tgaacctccc agtagaaaat 360  
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa 420  
actatacaat aagagggttg gtattt 446

<210> 202  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 202  
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca 60  
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120  
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctgt gtcttaccta 180  
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa 240  
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300  
ctctttttat taatttttcc attattataa aagatggcca aatacataca tttctatgga 360  
aatgaatca agtcttatnt attttacagt taaaatttca ttattcctat ttttaactgat 420  
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

<210> 203  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 203

```

gggtgttccct gagcgggttg tgccgggtgat ggataactctt ctgataactgg ctcttcgtgc      60
tataattttct tttctcacca agagcagggtg ccctttcaga agggaatggg antngagggga      120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc      180
agcggccgga anactgggtg gctgcgggcc ggcgcggtt cannaggctt ctttttccgc      240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca      300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag      360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca      420
ncgataaaaag gtggtttcca an                                         442

```

```

<210> 204
<211> 428
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 204
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaaacagg tggactgcag      60
ggtcgtctta caaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct      120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa      180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg      240
cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt      300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt      360
ttggtccctt ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tccccggat      420
tccngcga                                         428

```

```

<210> 205
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 205
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag      60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc      120
agggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa      180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag      240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg      300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa      360
ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtctt ctc         413

```

```

<210> 206
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 206
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca      60
ctctgagaat atctgtcatc tgcctttgac accttataag ttgattcttg agcattaatt      120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt      180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc      240
tttctttcag cataagactt tgggtcaggg gaaagttatg ttattttgta atgtctgaca      300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg      360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct      420
gg                                         422

```

```

<210> 207
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>

```

```

<221> misc feature
<223> n=a,t,g or c

<400> 207
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt      60
tcaaaattgt acaaagaacc attaatgata ttgataaaga cagttttaca gacaaaacaa      120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt      180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa      240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt      300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac      360
agtttgaaaa ataatttata tgtctagc                                          388

```

```

<210> 208
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 208
ttttntnttt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac      60
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt      120
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct      180
taccctgtaa tttttaataa ctttataagg agcaaatgtg tcaccttaaa aatgtaccag      240
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc      300
ccttttctta caccagtatt caccaatcaa catccatgcg gtgttttatt tgaccacat      360
cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang      420
t                                          421

```

```

<210> 209
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 209
tttttttttt tttttttcac cattatttgt taattttatt ttgattttta aaaggcatta      60
ttcagtgtac aattaacaaa gaaatcagtt ttctactcta ctgtacttag gatgcttcaa      120
aaacatcagg tgaaatgatc tatgctttta gagccagaaa actcaggcct cagcaactaa      180
aacagagaat tccaaaattg taattacaaa t                                          211

```

```

<210> 210
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 210
ttcttgcttt ctttaaactct ttattttaaaa gtccatgcta ataatgtggt tacattttta      60
cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga      120
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag      180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact      240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt      300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc      360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg          415

```

```

<210> 211
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 211

```

```

gaattgtgaa gctgtttatc aaatgtttta gagaattttac acaagaatgt tttgacccca    60
caaaaaataa tgtgcctaag ctttaaaca aattcacatt ttatttagat tgaaataaac    120
tatacaaaat tgattttctt caccaaaaat aacagcaata ttttccatat ttttctagat    180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag    240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc    300
atggcctctg attctgtctc aacctatgaa cagaagtgtt caacatatac ctgctaaaaa    360
gcttaggaag atgtaggctc caciaaggaa tgtaaacagc aacgagatgt ggaacaacag    420
caggcttttc cattcaaact ttgtcatttg tttcctttaa gttcaagaaa gaccaaactc    480
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa    540
ctgtccaggt atagattttta accatacctt aaaactccct attagtcaag gnccaattgt    600
gggcttcncc tacacatttt ataaatggta tccctcc    637

```

```

<210> 212
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 212
gagggaaaga caaaacgtat ttattccagg ccaggcttta aaatgcacac tgcacggttc    60
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc    120
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg    180
cagttgggtga ggttttctac cctcacagca aagggtatcct taactataaa ttcacgggat    240
gcagagaaga ggacagaatc t    261

```

```

<210> 213
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<400> 213
tttttttatt gttttatagt tttatttttt ttaaattgaca gttacaagtg cttttccctt    60
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt    120
tgtctaaact gaacttatat aattgcacaa aagtcatgga aagcattaag aaatgctggt    180
aaagattgaa gttttctcag attcttgccg aattccaaga agccttgatt ccagtgggtc    240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca    300
caaccaggag aacctatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa    360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc    420
aggcttaaaa cttgttttga gctat    445

```

```

<210> 214
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 214
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcatgagaa acagtcattc    60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca    120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga    180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac    240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag    300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc    360
ctaacagagt gccagggtcc tctgtcnctt ccgcacctga ggncaaagtt ccaggaagtt    420
tactgccggt gtagggaggt gagctcaagt tcagtgtctg ncttct    466

```

```

<210> 215
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 215
tctgaaaatc agccttttta tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt    60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa    120
actgacatcc cctatgtcct cagagttgtt tttttttttt tttcttcaaa aaaatgcata    180
aaagaatttc aactcatgtg catgccacac atttccatcc ccacccacc ctgcccacc    240
ctctacaggc acacatattc acacaccaa gggactcctt cctgtaactg gggaacagaa    300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaatgc atttacactc    360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa    420
aaattacaaa tggcagagac ttgagc                                         446

```

```

<210> 216
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 216
tttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata    60
taaaaacatt ttgataatat acaaacagca atcacaacag catccacatg gcagcaaggg    120
gaccagggca cagagnnggg gagcgggctg gggagggaca gttttcaggg tcccagttgc    180
ttccctggct tgaaatcacc ctggtcctag cagaggacag gtttaaggctg ccagaggang    240
ngggtccctg acctggggcc ggagacagac tgcccaggca ggccctctga taccatcttc    300
caaccatggc agcctccagg aaaagccaga tccatttagg agataacagg aaggtggctg    360
tgattgacag gaaaggcaac atggttcctc agcatcctgc tgatcacacc tctgggaggg    420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac                                         465

```

```

<210> 217
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 217
ttcgaaacct aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac    60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc    120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag    180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc    240
tgcaccagcc cttccagtgc tctgcgcac ccggtgctgg catcaccgct cctcatctcc    300
ttggggagaa gccag                                         315

```

```

<210> 218
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 218
tacatgtata ttattttatt ttgattctgt acaccaaagt gattacaagc agcatccagc    60
agaagacaga ccccccaacc ctgccacca gggtcgacac tctacaaaac cctgagggcc    120
tagaaatctg taaatgcatc gccaaagcact ggggctgatt tgcagtaatt ctctaagcaa    180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc gggttggtga gaacaatctc    240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgagcc    300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa    360
cgcagattca gttctgactg tg                                         382

```

```

<210> 219
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<400> 219
cttcacacag taagatcagt gtttgctaag tgttatcagc caatgtacag cccccccaa    60

```

caccgtcaaa cgttggtcca gttattttac tttaaaagag gatttaaata atgcgacgtg 120  
 ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180  
 ctaagccgac cagggctaga cactaagcca gaaaagcctt ttccagagtt tcctcttccg 240  
 cacaaaagct ttccttctgt cactccacc aaccaccag ctctctcctt aagtgtttga 300  
 aagataattc tataagtctc ctc 323

<210> 220  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 220  
 tttttttttt caagtatatt tactctttat tgcattcctt catttgcatt aaacaatatt 60  
 ttttcaatac agttttggac aaaacacaaa gacattaagc tcatttaaca agagacataa 120  
 gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
 ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
 aaaataagct aggggaagaaa acccaaaaca aagaagatat gacatccaag tctccaccaa 300  
 aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360  
 aggagccaca cccaagtgc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 221  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<400> 221  
 ccgaggcttc agttctgtac catttaatgc gtgcaaagga cattccatgg tgtctgctgg 60  
 gttcagggca actggctttc ccaaggcata caagaaaagt tggcagaaag tcctcccctt 120  
 taaaattcaa gcctgaaggt tttgtgtggg ggccactatgc ccctaattgtc ttctgggtgat 180  
 actgcagcac agtccatcaa aatagtttgt ggttttgcca tctgttactc cttatgccca 240  
 cctggagagg ggctagcatc tttaggtggg accaccctg gcacaacatg gtctctgagg 300  
 tccagatact ctgagggtag gggctggctc tctctgcctc cctatcccct acaagagga 360  
 caggagagg tagaacattg ggatcttt 388

<210> 222  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 222  
 gttatttaag gatttgttta atgttttaaa attcaaagca ctttaaatta ttttaagaca 60  
 aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtgaaga 120  
 atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct 180  
 tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240  
 attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc 300  
 tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta 353

<210> 223  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 223  
 ttttttcata atgatttatt tagataacaa acattaatgt gaaacatata ggctattggc 60  
 aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120  
 gtttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180  
 ataaaaactt tattacaaaa ataagttaca ctgcctcca gcttacagta taaaacaatt 240  
 ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300  
 gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360  
 ataagc 366

<210> 224  
 <211> 535

<212> DNA  
<213> Homo sapiens  
<400> 224  
attgataaac acagtaaata tatttttctct tccttatgat tttctaagta acatttttctt 60  
ttctctagct tactttaaga atacagtata caatatatat aatacatcag tcaggctccc 120  
agtcaataac aggctactag tacttaagac tttggggaat caaaagttat atgcagattt 180  
ttgactgtgc ggggcgtagg ggtgggtcag tgcccctacc acctgcattt ttcaagtgtc 240  
aactatatat atgtatgtgt acatacacat acacatacac acacacacac acacacacac 300  
acacacacac acacacacga gtgtattaat tcctcagaag ccagccagg catcttagct 360  
tggctacttt ttaattagaa acaactatth tattcagaaa agtatacaca gttagcaatt 420  
agaatcttct tatatacaga cataacttgc agaaggttaa gtctgaggac gctgttctgg 480  
gtaattttta cagtcctttt tagctctaag atccatgaca ctgcattttt atggc 535

<210> 225  
<211> 337  
<212> DNA  
<213> Homo sapiens  
<400> 225  
tttttttaaa attaatacaac caacacccat tctattttaag gttccaaaag gaagtagctg 60  
gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt 120  
ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
gctgctagag gctggttgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240  
ggggacgggc ttgggacctt tcattgagga agtaggatgt gatcttctctg agtccctcct 300  
gattctcgga tgctgagtcc tcccatataa catcttc 337

<210> 226  
<211> 451  
<212> DNA  
<213> Homo sapiens  
<400> 226  
acaagatgcc acttgcatga tgctgtgggt gccttttcat tgcaatgcct ccattttcaga 60  
tgtgagaaag ttctgggcct gtagggcatt tcaagcctag gtgtgtattg tggaggaggg 120  
gatagatgtt catctatgca ccagatcctc agatccccga ggtgggttgc ggggaaggcc 180  
caggagactg atggataaag ccacagcttc agtccctggca gagttcactg ccaggaatgg 240  
ctgctgactg cggggcactg atggtgggca gccagggcgg aggtgcaaac ttcttcccac 300  
aaggagtcc aggtgttcag tggcagccag ttcctcagtt aatgggtcac ctgctgctgc 360  
ggccactctc tgttgatgca gtaagccggg tgaggggctg caaggggctg gacaggacac 420  
cccgcaaact ttccagccat tctgtctgtt t 451

<210> 227  
<211> 423  
<212> DNA  
<213> Homo sapiens  
<400> 227  
acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt 60  
tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga 120  
acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata 180  
actagttgtg cagctctgga gaacttaata aaaagtaaat caacttttaa atcagttaac 240  
tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat 300  
gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct 360  
gtggtcactg tcctctcttc agcagggttt ttttacccca gtacgattgt ccatctctgt 420  
att 423

<210> 228  
<211> 385  
<212> DNA  
<213> Homo sapiens  
<400> 228  
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa 60

tgaatgggaa	tttaatatga	atatatgcac	cttaccagag	atgtttgcta	ccaatgatat	120
cttagcaatt	ccatattcct	tacaaagtca	gtataattgt	tgtaaaaaaa	tcaactgtgg	180
ttctgaatac	ccattcacag	ttgacctcaa	caatgtatct	gatgtaggag	actgagtatc	240
cgtgacaggc	agaagcatgt	gatggctctc	agtcccaagt	ggaagagcta	atggtaaagt	300
catatcagaa	ggcttcacat	ccatagtttc	tgataaagga	cttttttgta	tggaatcctg	360
ttcactcaaa	gtatgatcct	ctgca				385

<210> 229  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 229	gtggaagaat	acagaaatat	gtttaatact	tagtatcaaa	ctaaaaagta	atataaaatt	60
	acaaaacttc	ttttttttca	tgcacaggct	tttntctggt	aggaccgctg	ggattgaaca	120
	gaagcttccg	gtaaataagg	gccccgtcgg	caagacagca	tactgctgtc	acaagtgcaa	180
	acacccctcc	accaactgtc	aatgttg				207

<210> 230  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 230	aaaaatggta	ttcattttta	tttcaacatg	tcaactgtgc	atttccaaaa	cagcaggctt	60
	ttcaaaggaa	taaatcagaa	ctgtaaacac	aagatacagt	acaagttttt	gacttcctac	120
	agtcagtttc	acaaatccac	atactgtaca	ttcatagggt	aggttaagcc	tgtcacccat	180
	ttctttatct	ctataattac	acaagcataa	taaatacatc	tgattttaaa	ggtcacttaa	240
	aatgagtcac	aatttacagt	acagtacgtt	tcagttcaag	tgcaaaaaat	aactatttgc	300
	tgaattctat	ttctttcagt	tattttatct	ttaagctgtg	ttttattgtg	a	351

<210> 231  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 231	ctgggtgcaa	ggaacatttt	attccataac	tgtctccacc	gaagccgcag	aagcaaagcc	60
	aggagcagaa	tccattctgc	cagcgcgtgg	ctctggggag	acatctgtgc	cctcaccatg	120
	gaggacagaa	ggcaggggcc	tcccgaactn	ttggctcctgc	ctgggggtgct	cctgtccctc	180
	tttnttgctg	ggggacctac	cccacntcc	ccctcccacc	tcagtccacg	aggaacaagg	240
	gagacaaact	gagggctctg	cagtcctcgt	tcaaggncaa	cataatagtc	gtgtggcccc	300
	agcccagcta	ggcgcac					318

<210> 232  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 232	gaaaagaaat	ctatttttaa	tggctttggc	tttatagcac	gaagcaggca	ccnctcgtt	60
	aaaggcacac	agtcctctct	tctgccccac	ctcctgggtc	cttaaaatcg	agtcctgagt	120
	tccagagggg	tactgcaag	gcagcaggga	agggagaggg	tcacagtttc	actctgtgag	180
	tatcagacac	ccagggccaa	ggcccagact	ggcctctgaa	gctaaagg		228



```

<210> 233
<211> 479
<212> DNA
<213> Homo sapiens

<400> 233
tttttctctt tgaaagttta ttgttttctt taaaaaaaaa aaaaaaccta taccttttat 60
attttacatt cacctctcag aatattttaat ggtaccggtt aacgatgtta taaaaaaaga 120
ccaccacctg cttgaaatgg ctgcaaattt accatgttct ggcattaaag tgatttcaac 180
tctttggaca aattgggtga acagtaagca ccgagatttc aaattcccag atgagaaaaa 240
aaaaattaat caggaggaaa tttatttagt aaaaattcaa agctaaagaa atgtgagaag 300
gaagccaaac ccaaaaaact gtaaaaaata caatcttctc tccagaatta ggttaaaaaa 360
tacagtcaac cccatttctaa accccatatt tcttagaaaa gtcaccaggt cctgaacaca 420
gggtcttata cacaaatata tgtagcttga tttgcagatc agcctctggg atcgacctt 479

<210> 234
<211> 388
<212> DNA
<213> Homo sapiens

<400> 234
tttttttttt tttttttttg catttcaa attttaatatg ttttatttcg caaagagaag 60
cctaagaatt tttttaaaaa catttccaga gagaacactt tataccataa aataaacttg 120
tataatttgg gaggacaaat catctcaa atgtatatttt gaattatgtg ccaattttat 180
aattagtaca aaaatgacag ctgaaatatt ttaaaaatgt aaaaaccagt ccaggcaaca 240
taactatacc atcttgctgt aaaagtactt atatcgaaat ccgcacaaaa tatttttgcg 300
atatgctaaa tttagttctt caagtcactc ttcactgccg gctggctttt ccattttctg 360
ttgtctccat cccattttcc tctttaag 388

<210> 235
<211> 536
<212> DNA
<213> Homo sapiens

<400> 235
ttacagggat cttaacttta ttttagctctc tgtagaatta acatctttgc aaatatatta 60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120
ttcaagctac ttgacttggt aaaaaacaaa aaccaccatg acttctcaac aaatacattt 180
taaaatgaaa tatgctcagg ctgataaaca aacaagatat taaaatggag actgacattg 240
aactacatag tcaacttgaa aaacacaaga agacaatgct cctataaaat gatataattat 300
tggttttaca aagacatact ggttttatgtt tacaactatg ttttattttc aaatggtaaa 360
ggaaaggctt catgttgcta tttgaaagta cttctcaact agccgggcat ggtggcataa 420
ttcctgaagt aggaggatca tccccttgag gccaggaggt ccaggctgca gtgagctgtg 480
attgtgccct gaccatagct tgggtgacag agtgaactct gtctcaaaaa aaaaaa 536

<210> 236
<211> 378
<212> DNA
<213> Homo sapiens

<400> 236
gagagcacia ctccaaatca tctttttatta atataaaaag ggcataattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggctgtgccc 120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtaggggcca caaaagtcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttggtggg ggtgtcctt agtgctgcca cctggagggc 300
cactccttgg ttcttgaggg ggaccaccca agggacacag gacaggaagc ccaggatggt 360
tagtgcaact cgggatga 378

<210> 237
<211> 455
<212> DNA

```

<213> Homo sapiens  
 <400> 237  
 ttttttactgt atcttatttg atgatattta ttttctctgc caagctgtat agtaaaagga 60  
 aaataagtca catctgggtca ttggcatttg tatcgtcatt ctgtaaagac aaaagagtac 120  
 ctatataaga agctccacgt agtgcaaatc gacatctggt aggctgctcg cccccaggca 180  
 gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240  
 ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300  
 ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360  
 tagggctctat gtctgccaac tctaacagcc tgcccgtgct ttccaagcgc tgcgcttcag 420  
 ggaataacat tctgagccct cgatggcagt atttc 455

<210> 238  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 238  
 tttctttaac cgtgtgggtct ttattttcagt gccagtgtta cagatacaac acaaagtgtc 60  
 cagttagaag gaattcaaac ggaatgccaa ggtccaagcc aggctcaaga aataaaaagg 120  
 gaggtttgga gtaatagata agatgactcc aatactcact ctccctaagg gcaaaggtag 180  
 ttttgataca gagtctgac tttgaaactg gtgaactcct ctccacca ttaccatagt 240  
 tcaaacaggc aagttatggg cttaggagca ctttaaaatt tgtgggtggga ataggggtcat 300  
 taataactat gaatatatct tttagaaggt gaccattttg cactttaaag ggaatca 357

<210> 239  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 239  
 aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60  
 tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
 ctattgcata cagacacatt ttacacaca aacatatttt ttaaagacat ctctccaaca 180  
 ttctcaaaag gcaagagctg tatttgtagc atttgtaata aatgcaacag cttttgaaac 240  
 atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
 attttctgaa aatacgacat acagtcatgt ttcatcaac aattgaccac atatgacaga 360  
 gatcctataa gattataa 378

<210> 240  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 240  
 tttttttcaa ggattcacaa actatggcat tttatttcag agcctttgct tacatttgta 60  
 caatatatta cataattctt cattgtttgc agatccta atatacttta tagcttttat 120  
 tctataagct tttttcttca acattttgct gtcaacaaat ctttacagtc ctgtacaaat 180  
 ttgaataact tgaaaccatt ttcaacaaaa ttagttactg taagcacaca ctacaagact 240  
 gaaaatgctt ttcttagaaa agttgaatgt aaaggattct gacacgttag catctacaac 300  
 aaaacgcatt gaaattccca cgtcgtattg 330

<210> 241  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 241  
 ttacacaag aaagtgcgtc ttacattggt gttttgtggt atttagtgat ttgttcagcg 60  
 ctcatctctt ccaccagact gcgcttcctg aggacaggga ccttaaagca cctcacatag 120  
 ggtgcgcgtc tggtagactg tcgccgagta ccagacaacc agtgtctcac acgggggaag 180  
 acgatgaaga cagcaatggc atccttgagg agatgggcag gagaccccat gacacctggc 240  
 acctgggcct aagctgggag gccagcggcg tccccaggag accacggccc aggctgggag 300

cttgaccggc	cagacgccc	tgggtgggc	tgggcctccc	gcctgggagc	ctccagtgtg	360
gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 242  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 242						60
gaaatgtaag	tatacagatt	ttaatttatt	tttaagaata	attgtatatt	ttaaaaacag	
gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
agaaccattt	acactatggt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
aatagtgcct	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
aaagacagct	caaccactg	gaacaaacag	actccaatg	tggctggcaa	ctgcgggggt	360
agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaac	418

<210> 243  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 243						60
tttttttttt	tttttttttg	atcaccagca	attctcttta	atcctctttc	ttttccttct	
aaaagctttt	gcaaagtcca	atattttttt	acagtaaata	gattatcttt	taagaaaacg	120
cactagcaag	attgtagcaa	agtgtgttta	tgcaaacagg	tgggtgcagag	acagaggggc	180
ggaccttgtg	ggcagctgga	ggaccatccc	agctcatggg	ccacgcacag	atgggagcac	240
ctcagtgttt	tcagccaaga	gaacacaagt	ctcgggatcc	atgtggctcc	ctcaggccct	300
ggaccaggc	aggcaggaca	cccttgacca	tggggcaggg	gacatcccag	catcttgtct	360
gtacccccac	cacctgcgtg	gcacctggtc	ctcaga			396

<210> 244  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 244						60
caccactaaa	aaaggctttt	attacaaaat	gaattcta	aaaaccaggc	ctggctcttca	
acccctcccg	ctgggtagag	gccctagggt	gggctagggt	aggggagatg	gggggtgggg	120
gccctgaaag	aacagagcag	gctgccctcc	tctcatcagt	ctcagctgct	gccctccttt	180
tataaagggc	tagaagagct	cttccaaagc	cccttgagag	agtcccatc	cttccaacca	240
ggatccttcc	aaccactgct	gtcacaggac	cttagcaatg	ccgcat		286

<210> 245  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 245						60
ctccctagga	aggatatccc	aaagcaagg	catcttgaaa	agcatgattt	tctcggtaat	
gtttgccaac	actgttcact	ttccacatgg	tcacgactga	aaacacattt	accaatacct	120
ttcaagcgat	atgactacca	gaaatagatc	ttctttacta	ccctctctga	aatgagtaaa	180
caagaaataa	attcagaagg	taggcttttg	aaagaaaaag	aaaaaaaatt	gcttgcggtc	240
tcacagtga	aaaaattgga	gtgtttgtgc	cggttaagat	tttaatgggt	tcttaatcaa	300
aattctc						307

<210> 246  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 246						60
tttttttttt	ttttttctac	acacagtgac	tttattactc	tatggatgct	ggtgaactgc	
cctccccaac	cagcttcacg	ggggcaggca	tctctgtcca	tcccatgcct	ttgggtcaca	120

```

gggggcagca agaccaagaa gaccacagcc agggcctggg ttcagcttca gagccatcac 180
ccgctgcctc ccccaacccc caatctcctg agggaggaga attcctaggg acaagaccca 240
gacccttttc cttcagcctc tgcttcacca agggggcctg gcctgcgccc gagctcctcc 300
tggcctgccc ctcagggatc ccaggtcctc acctctgctc ttcaggcagg aaaagggcag 360
ggagagagga atggaggagg gagagggagg ctgggcgcag gagagagaag aggggggaag 420
gaggagaca 429

```

```

<210> 247
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 247
tctcaggacc caatagatTTt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ctttttagca attttaatta atttttacta ggactttggg aacaccacag 180
aaacctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtgga 240
atttaacaaa tacttttatt attttgaagc atttcatcaa ttctcggtgg aagcactaca 300
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375

```

```

<210> 248
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 248
tttttcttct gtataaaagt atattttatt taaaaacagt gatattgaca tgtatgttat 60
agcccttaca gaaaaataac acgttttata gtccttttat ttgaaattca gtgtaaatca 120
ctcttaaaact ataaattcac agttgttgga ggtttttttt tactttaaat gatgtgaaag 180
catttgttcc attcaaaggc ccctatgcct ttgaatgaca tattctcagt aacttcttgg 240
ccagtaacta gagtatgtga gactgagtaa ctagaatgtg catatttcat gaattagctt 300
cccg 304

```

```

<210> 249
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 249
tttgaaggga gcagagggca ggcacgcgag ccacggccac gctttattgc ttaagacgca 60
cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180
ccccctggga cgagggtcag ggacccagag actgcacagc tgcagacttg ctgggaacct 240
ggtacaggtg atacgcccac tctcgcctgt tgtcagagct tctacctctg catccagcca 300
tgcaccacc atttcccac agggtagagg ggcagccttc cttgatccac agccaacctt 360
tctcctgctg tctctggctg tcagtga 387

```

```

<210> 250
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 250
ttgtcaatgt tagaaacatt tacttctgac gataatccat atagctttct ctgatgttac 60
acagcgatta catctccttg tgtctaaatt aaagtcaaag tatgaatttt aagatgattt 120
ttaattattt aacaagtaga aatacgatca gtgacaatta tcaattaaaa cattaacaaa 180
cccagttacc ttttcttaac agtcatgatg aaatatccct ttctgtctt atcagaagcc 240
ttaattattc tctaccacac acaccacaaa agcttcttaa tagagcatca gtgtccatca 300
cacctttgtg tagaatctct ggca 324

```

```

<210> 251
<211> 434

```

```

<212> DNA
<213> Homo sapiens

<400> 251
tttgttaaag aatgctttat taatacaaat acacacaaac tctgaagcac taagaaatTT 60
aaatatctat gtcacagcaa acaggTggca attcaacatc cagggtcgac agaattgcttg 120
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 180
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc 240
cactcaaggg gaggtgcgca atctggTgct cttcaggcag gtcaaaactc tcaaagtcta 300
gaggattgaa gggaaagaat ttttctatTT ctggataggc atcatctgag gcaggaacag 360
agctttttgc tttaacagtc ttctcagtca tctttttggc agaaaagctt ggctgttttt 420
gtttgagggg tccc 434

<210> 252
<211> 337
<212> DNA
<213> Homo sapiens

<400> 252
ttttaaaaaa gtaatactgt ttattttaact tcaaaaacat ttcagcattc taaacataca 60
aaaaaataac agaacgttgc gaatcgtgtt taagtacagg aggttcttga actttcattg 120
atgcagtgac tctttgcttt gctgacaatg aagagttcta tagtttgttt aaaaacaaac 180
agttaaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt 240
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg 300
aagctaaatg gatgccccct gcagagtcaa caggTcc 337

<210> 253
<211> 443
<212> DNA
<213> Homo sapiens

<400> 253
tttaggtaaa agattttttat tcttattttaa ccatgctgca tgtatacata caataccaat 60
atatacaact tgaacaaata caattttatac ataaaataca atgaaagcat ggcttttgaa 120
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180
ctgaagtTat tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240
tatgtttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac 300
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga 420
ctaaaaggaa acaaacaaaa cag 443

<210> 254
<211> 463
<212> DNA
<213> Homo sapiens

<400> 254
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat 60
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccagggg 120
agacacaccc tcacgtgTcg tgccctctag gtgcactcgg cacagccagg gttccagctt 180
caccaggacc aggctcttct ccttgggcct cccagctgac aggtcctgcc cgaagccag 240
gtagatggta tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg 300
aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360
gtggaggggc tggcggaacta ggggggcccgc ccacctccca gtacaccttg cacttgccca 420
tgcgccgggg gcatagtTgt ggccctcaa gctccaggTg caa 463

<210> 255
<211> 404
<212> DNA
<213> Homo sapiens

<400> 255
tttgtttctt tgaattttat ctttattttct ccataagggc aatcagagaa atatgctttc 60
ctttttaaca agctcatctt taatgtggta gcaaagatgg aaggTgcgag accaaatctt 120

```

accaaactag	ctatttttac	aggccaataa	agcaacatgc	aatccccctc	aacaaattta	180
aataatcagg	caatactaag	aatgtatatt	ccattaaact	aaaataaaca	agggttgaat	240
gtggtacaga	attcactgat	gagcctgtga	actccacgtg	aggatgtcca	gtgccttatt	300
tatctcagta	accagagtac	ccagcacaca	agataaaaagt	gggtattacc	taagtggcca	360
ctatttttatt	aataatgcac	ataacatatg	cttatcatta	actc		404

<210> 256  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 256	tttttttttt	tgttagaatg	aaaaatttta	tcatcactcc	tgttcacccc	gcagagtctg	60
	cggagtgcta	aagggcacac	caataaggat	ccgagggagg	gggtctacat	ctgctttttc	120
	agccccaaa	gccatatatt	ggggtggccc	aatataaagc	tactcattag	tttggttcct	180
	gagcagacct	gctaataaac	ctcaaaaaca	caaaagtcta	cttcactagc	cagaaatgaa	240
	agcaggatct	agatctgagt	gggaagggca	gagggcagca	tgggttgact	ctagttggaa	300
	ttgtgccagt	cttctctgga	ggccgactca	ctcgtggagt	ggggaaaggg	gtggccaggc	360
	cccagtctag	aaaccccagg	cctatgggaa	gtgatgccag	gggaagggaa	gcagat	416

<210> 257  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<400> 257	tttttttttt	tttttttttt	tttttaggaa	cataaacttt	tattgtcatc	cagcacctgt	60
	gatagtttca	tgtctctcta	aaggagacag	gaaattggag	cattgtgggc	ccttttataa	120
	gaaaagagga	gtaggtaggc	acaccagggt	gcttctaaaa	caaccaagcc	caaacctgac	180
	atgctcctcc	cca					193

<210> 258  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 258	gaaaaatcaa	aaattttaat	cttatcatct	ttacatacaa	caaacatgtc	aagaccccct	60
	attgtctttg	aaaaggtccc	ccctcccccg	ccaaaatctg	tagaccataa	gtcttggcct	120
	acactgacct	ggtttgtaaa	atatcttcct	ctgtgtactt	ttcccttcag	cctcaggctc	180
	ttggctgatt	cgctcacaac	agaagcagct	tggctttcct	ctggaagtac	caatttgaaa	240
	gccaccagc	ccgcaaacct	agagtgtatt	ctccaccctc	gggtcacaga	acttcgttct	300
	ccccggctct	gtaaccaag	gaccctacag	cctctgag			338

<210> 259  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 259	tttttttttt	aagccttata	tttttaataa	aaaataaaca	gtctctgaca	agcagttttc	60
	tgaatcccaa	aacaaaggaa	atttgagggg	gagaggtgaa	ggggtcagct	agggttaaagg	120
	agtgaagaag	gctcagatta	cccctgccat	tctgccaggg	cagaagggat	cagagtctgc	180
	cccaactgaa	gcaagaagaa	agggtggtcag	acttcaggaa	agac		224

<210> 260  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<400> 260	tttttttttt	tttttttttt	tttttttttt	tttaataaat	atgagcattt	60	
	atttggcacc	cgatggcaat	acaaaatcct	ggcagtggga	gtggaaaggt	tctctctctc	120
	aaatacttcc	atactatgtc	gacccaaagg	caggacttgg	cagcaaggct	cacaaaccac	180
	ccaaacaaat	atttattgag	caccttgact	actacaggcc	tagcattttg	ctagggacca	240

tgggagatgt	gaaggaagtt	atctcacaca	tgatatgtct	tcaaggagct	aaaaatgcca	300
gtggataaaa	gcaaaacaca	tggaaaaaca	aagtacaaat	aataatccgt	gtatattgtc	360
aaaaggaaca	ttttatcaaa	aggttaggatt	gtagctaagg	ttggcttgcc	ttcttccctc	420
ttttattcaa	caaacattta	atgaaggccc	actatgtgcc	aagcacttgg	tacatgatgg	480
tgaataaaac	aaacaagggt	tctgccctca	tttacagcct	ggtaggggag	acagaaatga	540
acaag						545

<210> 261  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 261						
caatctgttt	gggactttga	gggctggggt	gggaaggtag	tggaatggaa	tagataaaca	60
gccagtcaag	agctgtgggg	aggttgacag	aattgggggtg	caggtacatg	taggatacac	120
agaagctttg	tgtctgtgga	ggctgtatga	gtctgtgggt	gagcagcatg	tctaagtggg	180
tggaaacatg	tatagctaaa	ggcaggaact	cttcccatac	agctaaaccc	ttgttcaagc	240
aattttaaata	aacaagaaca	ttttaaaaaa	ttaaaacccc	actaaaacaa	tccttgtgga	300
gcagttttct	tgagtgttta	agtagagacc	agattcaaaa	aaggattaag	agaatgtcgc	360
ataaccaagc	tgcagaaact	gaaaccgagc	ggggtgtgag	gggagat		407

<210> 262  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 262						
tttttttttt	tttttttttt	tttttttttt	ttttttcatt	tttagaaaaa	actttattta	60
caaaaccaca	actcagtctg	ctttgggtatt	gacaaaatcc	ctacaactga	gatattaaag	120
agatacatth	atttttagagt	tacataaaac	cagaatccaa	cactacccta	ctttcctatt	180
cctttgtggc	tctgaatgca	gctttaaaaa	aacaaaacaa	agcaaagcaa	agcaaaacaa	240
aacagctctt	tataatgtac	aatggcttaa	gcaaatecgt	ttagtttttt	ttctatttta	300
gatttaggac	agactactcg	tctaaaattc	actattttaca	gagaagggtcc	tagggaacag	360
gataacttat	ttaggttttag	ctctcataat	acaatatcca	taatggct		408

<210> 263  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 263						
tttttttttt	tttttttttt	tttttttttt	tttttttttt	ttacatccca	aacaggtctt	60
tttattttaac	ataaggccaa	agaagctatc	aggcggttgct	gaatactgtc	cactaactgt	120
acaaaatatt	gactgcatgc	ctcgcaaaca	ccaaaatatc	cgctggaatg	ccatagaaat	180
aaataacttc	tgctataaac	acatgaaaac	atatcaaact	gttatctctt	taaacatatt	240
gtaaataaaa	aaattaccag	tacttctaca	caataaatat	taagaaacca	ttgacatagt	300
tgaaatgc						308

<210> 264  
 <211> 702  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 264						
tttttttttt	aaaaagttga	gtattttttat	tgggtcttca	aatctgggtc	ccacagtcct	60
catttgatgt	cactcttagc	tctgtactga	tctctcctct	gactttttacg	gagggcttgc	120
anaagtagcc	tattgcagcc	aaagttttcac	tccaaagcta	cctctctaag	gtctaagggt	180
actatggtaa	agttttatac	aacagtttttc	cttaaaaaata	ttccacgatt	tgttactccc	240
aaacaaaata	agattatgca	ccactcggag	aaattagtca	ttctgaagat	gtctaagaac	300

tatatcactg	ccaaagaaca	tttctcagtt	catattcttt	ccttcaattt	tcatttgcac	360
atccacactg	tgggggttcac	aagtcacatg	ttttccatga	tcttatgggc	aagtcaagag	420
gacttagact	tatacatcat	tttccaacag	ctgggatgcg	attcacagtt	tgggtgcatac	480
ccatatgtat	gaaaataaga	acctcactcg	gtttaatcga	taattcacat	cgagtctcag	540
attggcttgg	gcagtcttca	gtactectca	catgagatac	tgntacaggt	gtcagggttca	600
ggtcacgga	ttgagtacca	gggctatcgg	accagagcgt	cagtgaagta	accacatctt	660
gctcacttcg	acttgcagta	accatagcga	cgggactgtg	tt		702

<210> 265  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 265	tttttttttt	tttttttttt	ttttttttct	tattcatcat	tcattcattt	60
atttgattag	ttgaaaacac	ttccgactaa	ggaagcagag	agcccacaat	cctgtgggaa	120
aacaggcctg	ggaactaata	tctcaggggt	agtgaggggc	gggcccagat	cctcaaaggt	180
tccctgcccc	tgaaattgca	cctttgacag	ctgctgaatt	ccaagcacag	cgtaaagtgc	240
tttacatggg	gtaaccctaa	aaaacacact	gggcctcaga	cactcccgtg	cacacacca	300
acctctaccc	tgtggatgtc	ctagataagg	gttttctctt	cacaaaggta	aatcaactct	360
ttgcctcctt	agggagggaa	ggaataaagg	cattattttt	gagacttttc	t	411

<210> 266  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 266	ggttcaacag	atacacactg	attatctaac	ttatcatcaa	ttggaaggtc	tagttcctca	60
ttaaacatgc	ttttcttate	tcccatgtca	agttctggat	ctgtatatgc	aatgatatac		120
aactctcctg	accttaagag	gtcatccagg	ttgggatcat	tagtttccaa	attatctaaa		180
gtatccaatt	caactacctt	gccatcctct	gtatctaaat	ttaagttttc	aagatcttca		240
tcacttaagt	ctttgacttc	aacccccctc	aggtctttta	catccagttc	cttcacagaa		300
gggtcatcag	aatcaagttt	ttcctctaga	ccatcagaag	gctgggtggg	tatctgtaaa		360
ttatcagacg	ttgtttcaga	cggtagacag	gttgacaaag	gagcttctga	aaattcacca		420
cctagtggat	ggttcagagt	c					441

<210> 267  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<400> 267	tttttttttt	gatctgcaaa	atttttattaa	gcaatagctg	gacaactggt	acaacttcaa	60
atcatcaaga	aaaaaataag	gagattaatc	cgtctcagta	ataaagacag	aaaataactt		120
ggacaaacca	catcgttttg	aatgcaaacc	attaatgcct	tctagaatat	ctcctgcaca		180
atctaataca	caaaatacgt	aagaagaaa	gcaaataagg	atgagctcat	taaaacgcac		240
ttgggagtcg	caacagatct	tgcttggaag	gtaaaaccag	caggatgctg	aattaaaaaa		300
caaacaaacc	aacactggag	gaactgaggt	gcacaagcag	tgacgcccac	tgccgaggtc		360
tggacatgaa	catgctgggt	gtctagtttg	gtctggggcc	tatgcacctg	catcgctgcac		420
ttacggttaa	aaaaaaaaaa	aagggaaaaa	gaaaatgcc	gtagtaataa	actc		474

<210> 268  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 268	ttacttttag	aatttttattg	acttttttct	tcataacttt	aaaacaaaaa	cagcgcatga	60
aaaccagtgt	cttattccaa	agtctcaact	cagctgattg	ccagggtgaac	atcaccatct		120
tactcctctg	aataactaga	cacaaattac	atagcaagtt	cgtgtttctg	cccacccaag		180



acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240  
gcccattctt tctcagcagt tcttcccatc tgctaagatg cgccttcctg gtggctctct 300  
ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360  
ccact 365

<210> 269  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 269  
tagctttgca caaatatttt aaagacaaat tcagctagtc taagaacttc atgaaaataa 60  
aacagggtgga taaatacttc atgtgcacaa tgcactccat cagacgtcgt cggctgggag 120  
aggaggtatg ttgatccttg gccttgtaga gaatgctatc ttctccctaa aggtctgcac 180  
ttggatgggc tctttgtggc tctgccacgc agctggtaga tctccttgga ggccttcttc 240  
agcatcttct cagccgctg ctcattgacg tag 273

<210> 270  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 270  
tttgaacata aaaattcttt atttaacctt atccagccag tattgagata gtttgctata 60  
ttaaaaaacaa gacgttttaa aaaattacag caaagttagc aaggcagtga ctaattaagt 120  
cactaagttt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacataa 180  
ttttcagcca ctttgagatg aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240  
ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataacac agtaaagaaa 300  
tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360  
ttcatttgtc cccaatgcct ttc 383

<210> 271  
<211> 436  
<212> DNA  
<213> Homo sapiens

<400> 271  
tgcagacttt ctttaccctg gcagaccata tggaaaactg gccattagtg atgtattttt 60  
ctccccgggc tcttgagcca ctggcgctca agttgctcca tctgattctt aaattaattt 120  
tcatcagttg taaaactctc aagtgtgcac aagaatgagc ctgtcttccc gtgtgaatgt 180  
gtaagtacag aaagaagggt ttaaatgcac atagacacac actcttcaac tgccatacga 240  
agcgtctgct tccccagtc tttcaggaac catcagatta ttcacggctg ggaggccctg 300  
gagtcctaca aatctgagca tgggtgggagg cacctgtaat cccaacttac tccaggaggc 360  
tgaggcagaa gaattgcttg aaaccgaaag gcagagggtg cgggtgagcca agatcgcacc 420  
actgcactcc agccta 436

<210> 272  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 272  
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60  
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
tctgtaacag aagtaaattc tgtttttatg ttataaaact caaaaagtaa catgaagtgc 180  
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
caggatgaag ttggatttgg gtgggatcca cacaggctcat tttcaggcaa gatgagactt 300  
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 273

<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 273  
tctgatanct atgtgaaaat tcttttcaaa gtaggtaaaa gccatcacta tatttcaaag 60  
aggtcacagt gacatcatat acaaaaaggaa ccagattgaa aaagatattg ctgacatagc 120  
cagtagtgag attactaaag antaaacaga aatgccttgg gaaattattt ttacaccggc 180  
ttgaattgaa acattaaagc aaaatgaaag ctgtaaggng ttcactagtt ttcccaaagt 240  
cgttgtcaag tttatt 256

<210> 274  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 274  
tttttttaaaa acttttattt tagattcagg attacatgag cagatttggt gtgaattcta 60  
tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
gcatttcttt cttaagatac aaagtctgta ggagtctaatt tcctgataga aaaaaaaaaat 180  
gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
tggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaattgtt 300  
aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
aaattgggga aagggatcct tagggntttt ttcccctatg gcctttccn ggaaccgga 420  
ggggggggat tat 433

<210> 275  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 275  
ttttttttcc taaggctcta cttcaaagtg ctggctattc aaccaactaa tctgaatagg 60  
tatttgatg gtgaggtaaa agctatttta aggtctgttc tcatctcact ttaataagg 120  
gaaaaaatt gccatagtga ctaaaaatag ttcactgttc tgaaactcaa tgctgtttg 180  
ccaaaacaat attaatgatg catattctat gcattttttc ccaaatatg ggcactgtcc 240  
gtgcacaaaa ttcaggaatg ggaaaccacg agatatttga aataacacca tcctctttac 300  
atgggttaaa aaagtcaaat ggaatccagt tacttttaat taaaa 345

<210> 276  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 276  
tttttttttg atggtggttg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttcctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 277  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 277  
nanaactgat agcctagcaa tacccaaatt agaatttggt ggctatcaat aaataatatt 60  
ttataagcaa cagaaacatt taaaaacttg gaagaattgt gataggctag ctaaaatata 120  
acctacaaaa taatttttgt aaggccaggn acagtggctc atgcctacaa taccagcact 180  
ttggnaaggc cgaggcaggt tgtattgctt gagcccaggg agttcaagac ctgcctgggg 240  
caacaaaagtg aggaccccg tctcctcaaaa aaaa 274

<210> 278  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 278  
gtaaacactt tgcttttggt ctgtgtctat actggcatct caggagagtg agatatccag 60  
acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag 120  
tgaggacagt gctcacagct agaactgacc gtccccacac ttcactctcc tccagggntc 180  
tcttgctgac accaggggct cctcaaaatt actccttctc tcacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc cactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccccaa tgnccaaca ccagggggaat gggattaang ccaggggggtt 360  
accattttgt aaacaaaaac aatttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 279  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 279  
taaaaatttt tttccactac ttttaattgt cagccttttt ttttttttta aacaattctc 60  
tgtgccatgt atttaattctt cacatcattt ccaatactgg agatataaat tgcatagaga 120  
ctgttagaga gttctaattt gttttatgca tgttttgcaa atttgactcc atgaaagggc 180  
attngaattgc tgacttngtg tgcaagcatt gnccatgnac ataaaaa 227

<210> 280  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 280  
agaactttgg agtaaaaaatn gtctctgttt ccaagacgtg tgagatgtct gaactctgag 60  
atgggtgtttc atctccaccc gatttcacca aaggggtgtc aatatcttta aagaactgat 120  
cttcagtagg aattggtgag gtggcaagggt aagcaggaag cttttcatat tcttcttcag 180  
tctcctcaac aaagaaagct tctccgttat cacccaactt catgtgaaga tccactgcac 240  
tgccgttgat ttctatatca atcactttct ctttgggactc tcagggactc ccagctttcc 300  
caaacccgaa cgtggaaaag ggtgaacact ggatagcctg cccatcctgc tgctgtaccc 360  
acggatggac atcaaatgca cccagagagg ggtggcctgg ggttaatgcc cttgtaggag 420  
ttccttcaca gtgacaatca ccttgcccag ccan 454

<210> 281  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 281  
ttaagaaata agaaatacat atatattgaa aaagtataa atgtaggtat cctgagattc 60

tcaactataa aaagaacagt aatagcaatt tgaataatac acataaaatc ct 112

<210> 282  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 282  
tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60  
aaaaaaaaa acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120  
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180  
cctatttctt caggagagta gctgaccac ctcagggccca tgactgctct tctctttccc 240  
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300  
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcagggttg tgttcgggga 360  
agtaaatttc ngaaggaaatg ggttcctncc ctgntggggtt gttgggttg tttgctgattt 420  
tccngggttg gtaccaaggc gcta 444

<210> 283  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 283  
tgttctactt ttaaagatat ttaatgatgt ttttcaaacc agtacaaaaa tttaaataca 60  
aaaatgattt gctattgaca agtctcaaacc ctgtcatggg aactcaaaca agttaccagt 120  
ctgttcaccg ttcattgtat tctataaaat atttgataac agtcaccacac tacagacatt 180  
cttttcccct gtg 193

<210> 284  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 284  
taattttcat agatcaattt atttagaatt acaaatatta agaatagaag atttatgcat 60  
ttcttaatta acataacagt ttagctaaat ataaactctg cactaaagtt ctgcagtggc 120  
acaataccaa caaagaatac ggaagccttt ttaaactata caaaaatttc aaatggaaaa 180  
taatcttggt tcagttttat tatacatata catataa 217

<210> 285  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 285  
gtgatttgcc aatgcataac aggggtttcaa gtttcattaa tgaagggact caatcgccca 60  
gaacactaat ttcccttcca aagaagagaa caacgaagtt tgtgaaaggt gactcttccc 120  
ctcttgacc gtggaattca catttcatat tcttgatata aaacaccagt gaaagc 176

<210> 286  
<211> 474  
<212> DNA  
<213> Homo sapiens

<400> 286  
gcttaacctt tttttctttt ctgcgttttt tatgggtggc agagtgtctt gctgtactaa 60  
ggctctgaata atatccatta taggaccatg atctggatct ctgagacaag cttctttcat 120  
cccacggct tgaacagggg tcaacttaact tatctccttt actccatttt tctccactag 180  
gtgggtctata tgctcttaat ctctgcattt cctctttcca gtgaggagga gtttcactgc 240  
tgtcatcatc atctgactca gaacaggatc ttgatcttg aggtgtgtga tagcgaattg 300  
tgcccttcc tttaattctt cgtccagact ttgatacaga tggtttctga tcaattacaa 360  
tgggtgcaac atcaggaatc ttcgggttcag gttctgcagt aacaacaggc atatctcttc 420

tcagtaaaaa tcggttctca ggcactggag gaatctcttc tgggcgggac acag 474

<210> 287  
<211> 481  
<212> DNA  
<213> Homo sapiens

<400> 287  
gtcatgcaaa ttgattttat ttgtgaaaag attaagaagc cacagtaaata gaaaggaaac 60  
ggttatttaa actgctccct tgatagtcac aattatccag ttgaggtgtt tctttgagag 120  
aagaatatag acaccaggcc cacgaggggc tccgcattta ttttcaaggc caaagggaagt 180  
gaccctcgg aaaacaccct cgcacaacaa agggcttcca gaatctccat tgcacgagtc 240  
tcttccacct cggaggcttc cagcacaacac catattcatt ccaatcacag ggtaaaatt 300  
atagtgattt cgatcattgc agacttttct gtctatgatg gtgatattga cttctctcag 360  
agtatcggac caagatgcac tattgtgagt cctgccccac cctgcaactt ggcacatggt 420  
tcctgggttc acatcatccc ctttttaggt agatgaagga tagtcacata tttgttaatt 480  
t 481

<210> 288  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 288  
ttaaattgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
tgatcatctg ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca 120  
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180  
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
tgatcgagaa atgtttttaga taaggcaciaa aaagatacca agaattgtta cactaggctg 300  
tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360  
agcaciaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 289  
<211> 502  
<212> DNA  
<213> Homo sapiens

<400> 289  
tttttctttt taagcccagg ctttattcca gcctcttttt gaggaatttg actgaaaagt 60  
tcctccctc tcggctgatg cgcctgccca tccctgggctc ctagtgtagg gctcctacct 120  
ttggctccag caatgctgat gatgaggtgc tgggggtcccc gaggacagga ggcctccagg 180  
aaggaaccgg cctcagtcac cgcctgccag ggactgtggc tctgcctctc gagctgtagc 240  
acctgatttt ctatgcaccg aaactgccaa ggccagcttg tgttgtacag aaatggctgc 300  
agatcaaacc tggtgtcctc agggctgtag ttctcggcgt ggtaccgggt gtgagcgtgg 360  
tcattctgtg tctgttcatt gagtacttgg agaaaaaccg cttcactttg tcagcgacct 420  
gtcttggggg gcagatgtgt ctccacatgc cgaggagttt gcagaacatg ctgtaagggc 480  
ccattctggc caccttctg ag 502

<210> 290  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 290  
ttttcagtcac cagaatgttt ttttttaaac ttactgtaaa actttcaaata acaacacatg 60  
tggtcaaagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
ctattatgtg atattttaca atttctttca atttcttaca ttcatgggat tcttaaaggc 180  
agcaatgtca atttttctgc tttgaaaata gttcagttta tgttctgaaa ttgcttaaca 240  
tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 291  
<211> 398  
<212> DNA  
<213> Homo sapiens

<400> 291  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactggt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 292  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataatgttgt tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtggg 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240  
 ctctgtataa acctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 293  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 tttttttttt tttttttttt tttttttttt ttgacaatga gaaaaaattt tatttatgac 60  
 gatcttgagc agtataaaac tcagaagctc cactgaggtg aaggaaacat ggacatgata 120  
 ctaagcaaag ctagtctttt tccataaaat gaataagaag tacatttggg ggagtttgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagttagt gacagatggc aattacatga ggatatttga acgaaggtac 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

<210> 294  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 tttttttttg caaaattaaa atccagatca tatttggaag atagacaggg aatgcttcct 60  
 aaaactgcct tgaaagtaaa agaaaaaaga cttgtcacca tctttggact gtccttttaa 120  
 aaaaaatttc attaatataa aaaatattga gtgcttacta tgtgctaggc attgagctag 180  
 gagaaggcta tgtggctact aacaggatac acatgatcca tattctgatg gtataaaaag 240  
 taaaacagga aaaagaaaca gactgaaaaa tat 273

<210> 295  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 295  
 gatcaaaatt gaagacacat tcagaggttt gattgggtga gattaactgg tgtgggtggt 60  
 ggtgtatgta tgtttnattt tnatgtcttt gtatgtagtt ctacataatg caaattgtgc 120  
 tttctgatgg acaagacctc ataactgtga ttaatatcaa taaaaggagg atgttgtgga 180

aa

182

<210> 296  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 296  
gatgtaacat ttgttnatttt attggaaaaa gctggtatta acatatttat agttttattc 60  
aacaattggg taattttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggctga caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 297  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 297  
tagagacggg gtgtcaccat gttggccagg ctggnetcaa actcctgacc tcaggtgatc 60  
cgcatgcctc agcttcccaa agcattgtct tttattttnt attggtattt tntcaacatc 120  
taagtattta ttaaggtgag tttttacaaa caagcatcta tcccagtggtg cggggtgagg 180  
atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
ccaggggttca nccattgtg gatttcatag tccccagag acacatgggc cttaaaaatt 300  
gtgtaccact tcttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360  
gcttcttaag ggtccccgat gggnatcanc cctgttgga tttaacg 407

<210> 298  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 298  
ggactctctc aactgttggt tgctcaattg tcggtacaga taggtaggat tccagtctgg 60  
agaaaccct aaaccactac accctgcctc agagtaggga agaattttca gtatgtatgt 120  
ggagacaggc tggattaggg agccttttga gtggcttctc taggatacct ttcttgctaa 180  
catgagcaag gttccctcc aggcctgata aagcctgaag aggttagtta tttccctact 240  
agttctggaa gcatcttaat tcatgccacc ataggaggct gtcttccct gtcctccct 300  
tgaatcacca ctagatttt aagttgcttt tctggagttt gatgatggaa accagttcct 360  
gtttcagggt ccagaaactt tttttttttt tgagattgag tctcgctctt tcatgctgga 420  
gtgcagtggg gcgatctcag ctac 445

<210> 299  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 299  
ttaattttaa gaaaacttct ttattaagta aatggacagt tgggtacacag atattgcaaa 60  
aatttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120  
gcactttcct cattcagagc tcttttggtc gcgagaaaca gacaccaat caaatcagct 180  
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagt 240  
ctgggcccct ggaggactga gggaagccgg cagtccttg aggcgggtgcc ggctgctctc 300  
caggcgctg tgattcctct ggtccctgcc ttgctatgcg tatcttccct ctgagcagag 360

```
ccattttctc taccacattc atgcaggtgc ccatcccccg gaacacacac agacaaacac 420
acacacatgg acacagtcac agctccaggg tttctatgtg ttcaggtaag ggancgtcaa 480
agcctgaaca gcctccctaa atctagatgc ccanctttat cctttcagct ccatcagang 540
atca 544
```

```
<210> 300
<211> 448
<212> DNA
<213> Homo sapiens
```

```
<400> 300
caaatccaga attactttat ataaaagtac acattctaata atagaaaag atattttatc 60
attattactt tactatatat tactgaatac accagactgc attttctcaa atggcaaagt 120
aggcacattt ctctttgatt cccccaggaa cctccgcac atctgtcttt tggaggattc 180
agattcttac gacatctgtg ataccgtcca tgaggatacc aacgggtgctt agtagtaaag 240
aacatttttg taagttgttc tatcataggt ctttcctcaa ggtgttcaac tttttcttcc 300
aatctggttt tcagcacttg atcatgtgtt tcttcattat tatgcacagg atctggccga 360
gggatagggt ttgtgtgttc atatggaatg tccacagaag ggtggttagca tactattgtc 420
ctgccatcag aagtcagagc aagctcta 448
```

```
<210> 301
<211> 447
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 301
gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60
cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120
agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180
gcttgacttc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240
ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300
gtgacccttt agctgctaaa gctaaaggga ggaaagtggg aaaaggaaat taactaatac 360
tttgtaacca tttttaatat ttcttatttt ccaaacactg cttttataac agaagtgttt 420
tacacttggc acaatattaa ttacttg 447
```

```
<210> 302
<211> 282
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 302
ttcgggtgtt gtgtctttat ttggagacca ggagacagat tacagcttaa tgagaggaac 60
aacgactaag tgatctgatg ggaaggggtga gtttcctggc ccttaggaag caacagatgt 120
gattttctaata caacaaaaac tagtaagtct ggaacttttc agacaggaag ctgagagggt 180
accaaaacta aaagtgaag tgtctgcat caatgtgtaa gtctaaatta cnaataaata 240
cattaataaa gccccnaaca gggggtacaa aaatttgtaa tg 282
```

```
<210> 303
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<400> 303
ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60
tgcatatggt ctgcttgcat catcgggtctt cagattttca atttgttcga ttacttcaaa 120
accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180
ggtactatgt aataaacatc aacacaaaga 210
```



```

<210> 304
<211> 399
<212> DNA
<213> Homo sapiens

<400> 304
tttcgaaaca tttctctaaa actttatttc aaagttattc acctcaccgt taataaggtg      60
tatgattaat gctctgtgcc agtatttgca ggcttgccca ttgccggcaa tggactttga      120
gaaaacccat ttcctggcac ccaaaagtta aattactctt ttcaaaacat accgatctcc      180
ccaacacttg caaaagtatt acatgcacca ttttgccacc attctttaaa tcagaactta      240
cattattaat ctacatcagt gaatgttaaa tgaagtcatt ttaacaaatt atgactgtac      300
aaatcaaaat actactagtt aatattagac aagagtatct tacaacact actattacat      360
attaccttgc aatctggaaa cattatattt catatttgg      399

```

```

<210> 305
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 305
tcccaacaaa acgcaagggg gttctgctct ttactaaata aacgttcctt tcccagaaac      60
cagcccaaaa ctcatcactg ttcaaatatg tggcaaggtg aggcctctctg tcccccttta      120
ccaggagcac ggatgggtgc tgcaaggcag tgccctctcga gtcgtcaggg agatggcccc      180
tcaggctccc aaacctgcc aatacaggac tgtgagcggc tcgggagggg tctcctttgc      240
tctccatcca gcgggtcagc gggtccttgc gggggagaaa gagccaaaca gccgccttcc      300
ccttctggtc acagcacgag ccaggttcca ggcagaggct gtggcaaaca ttgtcatcgc      360
cccattgtga aactgggcac ttctctctcc tctctgttcc cagatgnctc cgnagaactg      420
ctggaccctt gtccttggg ctgaccgggt ccttcttg      458

```

```

<210> 306
<211> 135
<212> DNA
<213> Homo sapiens

```

```

<400> 306
tttttttttt ttttttagaa ttaaaagaaa aggcaatggt tattagctat      60
ttcataaatc ttctctgaaa agttctcaat tcttctcact gaaacttgta agcaactgag      120
cagcttctgt ctgta      135

```

```

<210> 307
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 307
tttcctaaatc ttcatattta tttccacagt gttaacatgg aatagactta gcaaccattg      60
cagagaaaaa aaaaatctct cattgggttta tgagttaaata cctgtaacaa tgaatttcaa      120
ccattcgaag tcttctgctg cttaacattt actgaatcaa aggcctgaagt aaatgggact      180
ctcatctagg gtctcaggaa atcacacagc tgggcctcgt gatgtattta cggatggggg      240
attttaactt cttaatacaa gggcaagttt gacaggttac agcccaatgg aggtgcacgg      300
ctctgggtaca nggggtttct tggnccttaa cattcaaagg ggcattttca tgggtcctgg      360
tttaattctt ngggcctcgg ggggnccaat tccccatgg ggggggcccgg ttttnatt      418

```

```

<210> 308
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<400> 308
ttttttttgt tttctacagc accaaagaaa ttcaaatagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
tgtatatgca gcgttgtttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

```

```

<210> 309
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<400> 309
ttcatttttt tgtgtcatca aatctcatga tcagtttccc tttaaagtta acctggtagt      60
gctggttcag aagagcagct tttgcatgcc caatgtgtaa gtaaccactg gcctctggag      120
gaaatctgac ggtaaccttt cccatctacg cacctggaag ctcaacaaat ttcccaacat      180
cttgcttttt ctcaggtgcc actcgagctt tgggtgttga aacatcccac ttgggtacct      240
actgactgga aggctgctg ggcttcaaga aagccaaacc aacgtttttac atgaactggg      300
agctttcttc tgtttcaact gttcttgcca ggggagccat ttccctttta ggggggtgggc      360
cccaaacaca ataaatctg gcttaaactc aagggaggtt tcccaactaa ggtatggttc      420
tcaggaggac agggcaatgg attgaggttt                                     450

```

```

<210> 310
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 310
ttttttaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcaaac ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgcaac gcggccgggc      120
agaggcgctc ctacttgcc agacgggggtg gcggccaggc agaggtgctc ctactttcc      180
acacggtgtg ggggccgggc agaggtgctt ctcagttccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttggggtt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctcctttgg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgttaggtag      480
gtgacaac                                     488

```

```

<210> 311
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 311
ggctttcata attatatttt tcttttaaag aaaaatatca acccattgtc aatgcactgt      60
ttttcaaagc atttaaatag agggtaaaac cttttggaaa ttaatacaga agaaatgatt      120
cactttatgc ataaaaaata aataataata tagctgagac atgtgggttg cttctgctct      180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt      240
gatacagggt ttaattttaa cacatacaat gtccaccccc aaaccttctg cccacatcta      300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttccctac attgaaaaga      360
gaagttgcca aaaggtgcac aggaaatcat                                     390

```

```

<210> 312
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 312
tttttttttt ttttttaaag gcaacatata aactttattg aacaaaagta aactgtttca      60

```

```

gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccatc 120
ttacagtaac ctacttgtag ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180
catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt 240
atatacacat atacattaaa ttgaaaaaag atttgacgat cccagataa acttcatttt 300
tggtgatctt ttggaagagg tcgtctaaag agaagaatat gtggttctgg ctcatgaatc 360
atggtaatga acccagccta gactctgttg gacaccaagt ctccctccact cctcttcaga 420
catcagatga gtttttaggta cttgttttgg aagtctctctg gggtaacata acatgccggt 480
acta 484

```

```

<210> 313
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<400> 313
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tgacaaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

```

```

<210> 314
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 314
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg 60
gaggggtctc caatgaagag gacctagcac tggaagggtga tagccccaga agagaagagg 120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gttaaactttt ccagtaattg 180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc 240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360
atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

```

```

<210> 315
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 315
tttttttttt tttttttttt ttttttggag tttaaaaatc ctttattaaa aaaccccaaa 60
cggaaatgtt ccaaaaaaaa taaacacgtt tctattaaca tatcccatta atcctattag 120
ttggaataag atttaaagcc caatttggaa aagcttgcag aatttcttcg gaaattccta 180
aaaattacgg taggcaaaaaa cttacaaaaa catatgctat cccagggcg ggaaggaaa 240
aaaggggaag gggctacaaa ggccccgggg gcatcacctg cccacctggg acccaggggt 300
ccgggaaact gtcccgtaac gggaaaccta cgggatgta aaggtccata agttacaagg 360
cttttttggg ttaaaaaaaa aaaaagggtc gtactttcca ggccaaagggt gaaatggccc 420
aaacaccct taacgctttc aggtcccca ggccctccat tgggggtggga cccctagga 480
acaatttcgg ggtacaaact ttcccgaat ttaggcggaa actgtccggg aaa 533

```

```

<210> 316
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 316
ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60
actctccatc atctttggct tggagtacaa ctccgtcctt ccattctaate tgctgtctc 120
caatcgttct cccctttgat gtgcagggca gccactgac tctctaaccat ttacagaaga 180
atgcaccact tgggttgttt aaaacccttc aatggcttcc cattgcccc aattcaaact 240
ctgcaatgtg gcctacacat ctctctagct tcacctctg ctcaatatcc tacagcacag 300

```

tgaagttctt ggtggctctc aaaagggccc tcaaacttca aacattccct tcaacctaaa 360  
atcctcaatg gacattactg agtc 384

<210> 317  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 317  
ttttttttta ccctggatga tgattacat tggtgctaag agtttttatc taagtaagcc 60  
tatgcttgat ttctttcaga aaccatttca ttggatatca ttttttctaa ggtttcattt 120  
ctcccaagtt tggttttttc aataggatag tcagttgaca aaatggttgg cattcttata 180  
ctattttattg tttacattta aaattagggtg caaacagcta gtttctcaaa tgacctccta 240  
attgactttt tttctttaag ataaaagtat tgggtgaggc actggtttat aagcatttgt 300  
ggactttgca gccttatctt taaaaaaaaa aaaattaaaa ctgtggctct taaatatcct 360  
gtctgaactt tggattggaa ggcacatttc cttttgttat tggctatgta gattagctta 420  
gaatctgtaa gcatatagtg tgggta 446

<210> 318  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 318  
tttttcagga tgtgacaacg tttttaatgc aaagtcaacc attagcatct ttcccatgta 60  
cttattagat gtgaaatggc aggacttcac ggccccgttt gcatattttc ctactccgca 120  
gacgaataat attttcaggg aaggcagcgc agtctgtgcc gtcacaatcg ggcgactgtg 180  
ggtgatgagg gatgatgatt ttccaggagg ccctggggtc agaggactcc tagagggagt 240  
ttccagcccc tcaatcgtag atggatggcc tggtgatggt gtaactgggg tggaggttga 300  
gccggtcaca ggaggtgatg cagttatcgg ggccagtcac gatgcttttc tccaggtaaa 360  
cattgagagt attgttccgg aacattccac ccgctgcaag ttgttgggaa aattttattcg 420  
aatttgata aaatacttta ggcattctct gcacgggtggg ggctctgctc 470

<210> 319  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 319  
agtcccagag ccagtgttta ttagcaagat ggaacccaaa ggcggtgtg gcctgggcag 60  
cagaaggcca ccaggagccc ccacccatct acccaactgc ccccagagc taattacatc 120  
cacacccatc ccctgaagtg gtggacataa gggagccctg gggagcctct accggcccca 180  
ggcctctacc acggaccccc tcccctcaga gctggggcct cccgtcagct ctgctgggc 240  
ctggccctct gctatgctcc cagcctctga gtcaaagtgg cacagggaaa gctaaggagg 300  
tagagtgggg tggccctgcc tggccaggcg gggaggggag aaggggctga aggggctgtc 360  
ccaccaggc aggatgctct tctcctatcc ccaataaata g 401

<210> 320  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 320  
tttttttggc tggtaaaacg ttcaccccca caaaagggga gtggacagat ttattgaaat 60  
caaactggga aaggagcagc tggacggctg gactctgggc ccagcccagg ccccgctctgc 120  
ccaggatggg cccttgacaga gaggaggagg aggcattggg cctgcagctg cccacaagga 180  
agcgcccttg gttacttcca cgggtggggg cctcttgaa acctccaatc tggaaagaaa 240  
accaagggcc aaagtcacat ggacagggcc agagaaaggg actggggagg tggaaagcag 300  
gcagaagcag gctcaggagc ccgcagttag ttaactgtg cttctcaagg cggcctgggg 360  
ggtgtgggtg ggggctgccg gccttgacag gggcctaggc tgg 403

<210> 321

```

<211> 225
<212> DNA
<213> Homo sapiens

<400> 321
ttaagaacaa agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg      60
tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct      120
cctgcctggc acgttcgttc gtctcccgta tcgccgtaag accctgagac cccgagcctc      180
tgcaggagag acgcacaaag aagcctcctc cctgtggcct ggctc                        225

<210> 322
<211> 253
<212> DNA
<213> Homo sapiens

<400> 322
taactcccag tcaccctggt ttatttcaac catggagaaa agtacagagg aaaggctgca      60
tatggagaga ctgtcgggct gacgggtgtca cagcagatcc gagtccacgt gtggaaacag      120
cagccgcccc gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc      180
agcaggggtgt caggaatcac ctgcccgatg ccagcgtgc tcttgtctgg agggccagac      240
tgtcatgaag tca                                                    253

<210> 323
<211> 345
<212> DNA
<213> Homo sapiens

<400> 323
gggttaaata tttattaggt ttgttttaac caggaataaa tacatgattt agcaaagtgt      60
aatgcttccc actgagaaat ccctctgggt gctccccaaa tgttccaatc acattcgtca      120
caacggaaaa caacacataa gatactgtgc agacatctgg agttcagggg gtcacctgcc      180
ttatgcggga agtcaatgtc cacagtgtta cattcatttc tcatacgttg gctgggttct      240
ttgaaatagc cttttggaac ggttggggaa accacagatg tctccttgta taaacacact      300
agaatctatg atacagaaaa ctgtgtaact gcacatacac atacc                    345

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<400> 324
aattcttttt tagctcattg gctatcctta gcgtacatta tgtatggccc aacacaattc      60
ttcttccact gtagcccagg gaagccaaaa gattggacac tcttgtttta aatagactat      120
ctttttaccc ttttatttgt tccaactcag gataaatatc caagtatcta gaggggtctat      180
gtgtgctatc tatacaataa aagatagtta tataaaaatg aagagttctc cataccatta      240
tataaacagg aggtttttaca ggcattagtg atactctgtt ggactcaatg ggtttttttc      300
tctcttatag ctatgaaaga ctttatgcca gtccaaaata tacaatgttg aaagacaggt      360
tttgaaataa atattctccc ca                                                    382

<210> 325
<211> 519
<212> DNA
<213> Homo sapiens

<400> 325
ttttttttta atggtttgga ctgcaaacta gtacttaggc tttcagcaac ttggcagtgt      60
ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg      120
aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggtctt      180
tttccaaggg aagagcttat tcttggaata tctatatggg tagtttttga atcatttacc      240
tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg      300
ttcaagtggg tactttcaga agtaaaactg ttctttccaa cagattcaga aatttcttcg      360
attagttctg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca      420
gggggacttc tggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt      480
tccccaaagt cccgaagggg attaggggta aatacccca                                519

```

```

<210> 326
<211> 393
<212> DNA
<213> Homo sapiens

<400> 326
aaattaaata aactttttatt ttggaatgat actagattta cagagaagtt gcagagatag      60
tacaaagagt tcctgtatac ccttcaccca gcctacccca aggtcaacat cttacatcac      120
catggtacat ctgtcaaaac caagggactg aaattggtat attaactaaa attcagactt      180
ttttcagatt tccaattttc ccactaatgt cctgtttttg ttccaagacc caatccagga      240
tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa      300
ctttcccggg gaaagagaat gcatgggaaa agctcttgtc cttattattg aactggagaa      360
actgaggctt aaaagtgccg agtgaccaag ttc                                     393

<210> 327
<211> 277
<212> DNA
<213> Homo sapiens

<400> 327
tgccgtccyc cycccagsgt gcctggcatg gtcgcagggg agcgggtbcc tggagtcccg      60
gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc tcctggdtgc      120
tcagcggatc gtgtacttkt cccacttctt ttcagggtcg tagggttccc agcggctggc      180
gggaaagatg tgcttktttc tctcgtacca gctcctcagc accaccttgc ctgcatgggr      240
ctcatccttc tccacagtgg gsgtcactga gcaaccg                                     277

<210> 328
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 328
actggagtct tctgagatct tattaaatgt tttatttctt aacattccta catattaata      60
aatgtcctat ttcttaacct gatagtgggt acatgaatgt ttatnattct gtaaatcata      120
ttgtgcttat gaatngtttc acaattaaaa aaaaaattca tcccacctat tcccnttgcn      180
caggttccat gctcattaa gacc                                     204

<210> 329
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 329
ctcataaaca annantttat taaantacat gttacataaa agaacatata aatggaccat      60
taaatacatt cagttttattt taaacaaatt tacatagata cttattttaca tttctccatt      120
gtattcttaa attatttttc caagcttact accgataaan ggtaatacaa tgatcatctg      180
ctcacacaga tgcatagaga agttgtccac agggctnagt aaagcaccac ttcccagggt      240
nacacngctt attagatctt ccagcaacaa ctcatgctga aggtgctctc ttctgaggca      300
gcccttgagg gtgaggcttt tgcttttagga gggtgctggg ggggtggggt ctgagggagc      360
tgacccgggg cagcggatgg ggtccttgct gntttgacct gacttgggac                                     410

<210> 330
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```



<223> n=a,t,g or c

<400> 334  
cataatacat atattttattg ccatcagagt tctgcaattc tcataaaaatt agagtcagat 60  
ggaattcagg gacacgtgca agtttttgaa atggacacag ataacagtat agaactgtac 120  
acaaaataat taccatttat taaacacact ggtttagnac accctggatg gatgagaatg 180  
ngcnccataa ttttt 195

<210> 335  
<211> 295  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 335  
ntnaaatgtg taatataaat ttattctgtg acatttttct cattgagaga tattttaaca 60  
tagattaaaa tacatcaata tttcatgaaa aataaattct agaagaattt agataatata 120  
tgtaatgtac atgatttgac cctgaatata ctnttcgtnt tncacttcaa acatcatttt 180  
ttaaaaagta acataaacat gataaggact gcaacattct tcatatatct tgngtctcat 240  
aaattttaat tcaactgccc gttcttttct caactatgta tgttaatggg atttg 295

<210> 336  
<211> 441  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 336  
aacttggttaa acacatttat tgatttcttg acagtaacca aacacagtga gtgaccatta 60  
taaacaagaa aagaaaggca ttcgttttct actttgtgag atctggctgc acctggagag 120  
aaaacatacc ctttccag gaacttaca ggcaaagtgc attccttcac gggagcatca 180  
caggggggca tggcagtttt gaaacgcaag aagtctgtcg cctgctatct caggctgaag 240  
ctcacctcat gtgaatgatt gagccatgga cgtggaatta aagtcatact tgcttagcaa 300  
atgcattcct gattgccaca aactcagtaa aaactggctg caaatgaaca aaacatgtag 360  
atgaaggaa aagtgaatc aaagaatgca gttgcatgga gccagggctt agcctgtaag 420  
gaaggagaac agaccanagc c 441

<210> 337  
<211> 437  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 337  
cataatgcta atgcaagagg gcttgaagta tcaaagagtc cacaggaaat ggatgcccc 60  
agtaatatct tttttttaaa aaaaatatac attatataat atatattata tatataanan 120  
gctagtgtaa atgcttccat ggtgtggtca caaatttgaa agatgaacct ctttcagct 180  
gttaaccatc ttcccatttg caacagggtt taaaaagtcg tttttatctt ccnacataac 240  
atgnntttnc ntaatgaggt tgccagcact gacagatgtg gtgatgggga ggcaacttgc 300  
attgctaata gacactggga gtggctggct aaagcaagaa gttaccggca gaattgtttt 360  
ttgctctcc agaatcacat ggtcttcacc taaactctgt ttcttctgct ttggtggctc 420  
cntttggtgc ngctgga 437

<210> 338  
<211> 178  
<212> DNA  
<213> Homo sapiens



<400> 338  
aatacagggt ctcactctgt tgtgccagct ggagtgtagc agcacaattg tagttaactg 60  
cagcttttaa ctcttgggct taagaaaagg ttaagagatc ctcttgctc agcttttctga 120  
gtagctagga ctacaggtaa gtaccaccag gtctggctaa ttttaaaatt tttttgtt 178

<210> 339  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 339  
tttttaaata gagatgaggt tttgctatgt tgcccaggct ggtctcctgg actcaagcaa 60  
tctccactt caggctacca aagtgtctggg atttacaggc atgagcacct ctcccagtct 120  
cagttattat tttaataaat gagactgaac gtctcttctat aaggctcact cccttggtcc 180  
tactacattt gctctgttta agtatctctt taaattcttc agttaagatc atccctttta 240  
tcagaaacct agacaccaca aagtagcttt ctccacttta attctccata gggatcacta 300  
ttatactata atatttgcac acgtatgtgt atatatgtat ttgctttttt aaaaaagtaa 360  
aatgctctt ctcactcttt gtcgatatag gcacccagggt acgtagttag aaattaaata 420  
aaggccacaa taatttccca agggaagatc attaaaaaga aaaatccttt ctctctctaa 480  
tatcacatag ctgggcctta tggnatgcag ctaagaaaaa gggattgcct nggtgacagg 540  
aagaccaatc ttcncccttg ggggtgtagn gaatt 575

<210> 340  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 340  
tttttttgtt cttctatacc atttaattaa atatgagatg gttattacat acattgtacg 60  
cttatatact aagcagctct gcganaatgt ttgtaatgca tgtggatagt acacgggtcaa 120  
atcagagatc ttcactgtag tgaacaatgg atatttttaa gaatagtccc aacaataaac 180  
cacagagctg acaaaaatgc cacctaattc gcatcatttc caggagctct gccacatatt 240  
cttcttgccc cgtaccaagt ctcttagccc ctctagaaga gctgagaaaa tgcagggtgtg 300  
cacctctgaa cagcccatac ttggcttttc tgaagcaaat tcccatggaa accacattga 360  
aggaagaggc aaaggctggt aggaaatcag ctgaangctg ggtgccctag acccagtcac 420  
gtttgttggc caattagctg gcttttcatt ncatgctata tagaactggc ag 472

<210> 341  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 341  
ttttgagagc tgatgacaga caacagcaag ctactttaca gaatctacca actgggtagg 60  
aaagtcttct gagtttcttt gcagacaaga aaagttacct gttgattgtt ggccaatcaa 120  
taagggactt tcctctctgc cattaagagc aacgatgctg accacatact ctgtgcctgg 180  
agtgagggtg gtgagggtga tgggaattcc agagtggggc acccgatctt ctcgaggctc 240  
cccactgaag tgctcgggat gatggcggat cctgtagcca gtgatggtgg ctcgaggagc 300  
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg 360  
gantca 366

<210> 342  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 342  
tttttttttt ttttctgaga tgggttctgc tacgttgcct aggctgtagc 60  
gcagaagcta tacacaggca tganggcagc aactacagt ctccaattcc tgggctcaag 120  
tggtccttct gcttcacctc ctgagtagct gggactacag ggacgtgcca cccacctgg 180  
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctacttttt 240  
tcttgtaaaa ttgtataaca ttattaggca aaactgggag antacaantt ttaaa 295

<210> 343  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 343  
caaggttcna anggtttatt agggagtcgg gagggagaaa acccagggag tccccaggc 60  
catccacatt gctccccggc atgtgacgat ccagcctggg ctttctctgg gtcctttctg 120  
gacagaggct ggccaagcag gcagcagcct caaggggagt gggtaggagc tgggggcctt 180  
ctggcagccc tactcagagg atgatctggg tggggaagct tcggctcagc tccttgtgtg 240  
gcagaacant cgagttcagg atgagcacct cggcagggat c 281

<210> 344  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 344  
ttttntang aaatgacaag taccgtttat tgtcgttaca caaatgaacc cagcctctgg 60  
cttgggcacc gtcccacgga ccagcagatg agcatgggtca gccgaccctt tccccaccc 120  
ccgagtcatg tgcagtcata cantccaggg agaaagtcgc agtntcgant accggacaca 180  
ggttcccttg gnttggtggn gcatctntga tccacagant ggcccacctn tcggagtggc 240  
caacggagtc gntgaaacgt tgtcaaataa gncaagtaag tgcaggagcc ctggggntgg 300  
ggggcctntg gcttntgnca gccgggtggg gaggagggat ntccaagggt tctgccccgt 360  
agggcctcgg cttccanacc tc 382

<210> 345  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 345  
tttctaattg agcaacttta ttcacataat ttctacacca agaactcgag gttatctctg 60  
atggaaccaa tttcactaat atttacttta agggcagaga agtcaaccaa gtctctcag 120  
tctcaagaat caaaaacaaa aaaaaatac aaacagagag caagtgggaa gataaataac 180  
actccgaaat aacctagcta cacactttta gtttccaatt tttctagcat gaaatcactt 240  
ttctcttcca tctgtgaaga cgtgttctct cctctctctt ctgagttggg ctgtgaagag 300  
ctgccctggg tctcccgggt ctgacgggtg ttgtccaccc catctgaggg caccagggg 360  
aattgccctg ggggtccgga gccctggggg tttctggata gcct 404

<210> 346  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 346  
tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttnggggtttt 60  
agaagtaggc gttcgctaatt ttcttcttgg gcgccgcttc ttaggcttga caaccttggg 120  
cttagcggcc ttggnntcac agccttagca gcacttttgg cagctttctt gggcttcgca 180  
accttggcct tctttgggct cttagcactt tcttgggttac agtggccgcg gcggctntct 240  
tcgctttctt cggngtttct ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300  
ttgggcttct tggctncccc aactggcttc ttaggttttg gtccgccgcg cttttnaacc 360  
ntggggcttg gncttccccg gagcttgccct t 391

<210> 347  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 347  
aaccggatgt ctcagactgt aagcgaagga caaatttgtg agatttgggg tctatgaact 60  
cttcagagag tatgatgaat ggaattttct tcacattgac tacgaggctg aagtccaagc 120  
acttaaggac gaacacaatt ccatcccgta atccattagt cacagcctca tcaactgacaa 180  
gcctccactg tgtagagagc cagcggncct tgtcatattg caggggtggg cccgcactga 240  
ggtagcgttc taggnaggcc ttgggggtca tgccngtttg tgatgcagaa ggccagggtg 300  
ctgcaggatg ctctcccatg ctgtgggttag ttctgctgcc ggggtnatgc gcaggtaact 360  
ctnggagagc cctgggccat nggaggggaa aattgcctng ggcngcctcc ctagggtccn 420  
tcactnccct a 431

<210> 348  
<211> 18596  
<212> DNA  
<213> Homo sapiens

<400> 348  
cctgtagtcc cagctacgcg agaggctgag gcagcagaat tacttgaacc caggaggcgg 60  
agggtgcagt gagccgagat cgcgccactg cactccagcc tgggtgagag agcgagactc 120  
tgtctcaaaa aaaaaaaaaa aagaccgcca gggctcaaac aaaaaacctc ggaaaagccc 180  
tgggcgtctt tttttttttt tttttttttt ttttttggga cagtcttgct ctgtcgccca 240  
ggctggagta caatggctcg atcttggtc actgcaacct ctgcctccca gggtcaagca 300  
attcttctgc ctcagcctcc caagtagcca ccacgccag ctaatttttg tacttttagt 360  
agagacgggg gtttcacat gttgtccagg ctggtcttga actcctgacc tcaggatgatc 420  
cacccgcctc ggcccccaa agtactagga ttacaggcgt gagccaccgc gtccagcgcc 480  
ctggcggttt ttaatcaagt agaaaagctg cattatacca cttgcttcgg ttgcttcagt 540  
gagaacgaag aaatggaaat gcaaatccct tattagttgt aggaaacaga tctcaaacag 600  
cagttttgtt gacaagaccg caggaaaacg tgggaactgt gctgctggct tagagaaggc 660  
gcggtcgacc agacggttcc caaagggcgc agtccttccc agccaccgca cctgcatcca 720  
ggttcccggt tttcctaaga ctctcagctg tggccctggg ctccgttctg tgccacaccc 780  
gtggctcctg cgtttccccc tggcgcacgc tctctagagc gggggccgcg gcgacccgcg 840  
cgagcaggaa gaggcggagc gcgggacggc cgcgggaaaa ggccgcggga aggggtcctg 900  
ccaccgcgcc acttgacctg cctccgtccc gcgcgccac ttggcctgcc tccgtccgcg 960  
cgcgccactt cgctgcctc cgtccccgcg ccgcgcgcc atgctgtgtg ccggctcgga 1020  
gctgccgcgc cggcccttgc cccccgcgc acaggagcgg gacgccgagc cgcgtccgcc 1080  
gcacggggag ctgcagtacc tggggcagat ccaacacatc ctccgctgcg gcgtcaggaa 1140  
ggacgaccgc acgggcaccg gcaccctgtc ggtattcggc atgcaggcgc gctacagcct 1200

gagaggtgac	gccgcggggc	cctgcggggac	gggtggcggg	aaggagggag	gcgcggctgg	1260
ggagagcgct	cgaggagctgc	cgggcgctgc	ggaccccgtt	tagtcctaac	ctcaatcctg	1320
ccagggaggg	gacgcatcgt	cctcctcgcc	ttacagacgc	cgaaacggag	ggccccatta	1380
gggacgtgac	tggcgcgggc	aacacacaca	gcagcgacag	ccgggaggta	agccgcgtcc	1440
cagcggctcc	gcggccgggc	tcgcagtcgc	cccagtgatg	ccgtggcccc	cgaggcgggc	1500
gtcatcgggc	agcgtttgcc	cagtgcctgga	gggttaggga	gagctgcctg	ggcttgaccg	1560
cgcgccggtc	tcaaagtcct	ggctttggcc	cctcctccgt	tttcccctgt	ggaccattcc	1620
gcttcgcagc	gttttcaaaa	actggagcga	aagtgatgtg	ggcggggcaa	aggcggcggg	1680
aagaggacag	cactgaagct	ggcgcgggaa	cttggtttcc	tgggtggcctc	ccatccaatc	1740
cccacgaacc	agcttttcctc	ttaaacccttg	aaaagagaaa	ttcgggagtt	cgagttctta	1800
gtcgtccttt	cctcttttcct	ttccgacagg	agcaccaccg	gcaaaaaatg	tctcgcgggt	1860
cattggcgcc	aggctttcag	gggacagtgg	ggcggggcgg	ggtgggcaca	ggacgttagg	1920
cagccgttgg	ccctccctaa	ggccacaccg	tcctgccgtc	ctggatcctg	cgccagctgc	1980
gcgggggagg	ggactcgaag	gtgtgtgagc	caggggctga	ccttgaccgc	tcagataaat	2040
ggagcgcagc	cttgacacag	gggtggagg	ggttttgaat	ggggaaacc	attcgtggtg	2100
aagcagattc	actgtagcta	gcggaaaagc	cctccggccc	acggaccat	ctagagacga	2160
atacatagca	gctgctgtgg	ctgattggcg	tgggacagcg	tggggagttt	tgtctgagga	2220
gagggatcca	cttttctgca	gctccaagcc	caggggcctt	tgatgagcca	tagacctcat	2280
ttttaacca	cctttctgct	tagacattga	gcaagttact	tctcatatag	cttccctata	2340
tgttaaaaat	ggagaaaata	atgcttagta	ggcaattctg	ataaaagcag	gtgcttgcaa	2400
aaatctctct	gttgtctgaa	tataaactgt	accacaagcg	agtgcggatg	aacgaggact	2460
gcatttaaa	ataagttttt	acactttcat	ttctctgtgg	ctcgacactt	ctgatgcctc	2520
cctttttgtt	cctgggacac	atgcttggtg	ttgtcttcac	acctttgtga	caggattagc	2580
actagtgggc	agtggatgat	agctcctcct	cccttttgcc	acatgttcat	ccctgcctc	2640
gccaccatct	cactgtgtgg	aattcctgtg	tccactggtc	accggggcac	agaagtgtctg	2700
tctcagcctg	aatcggggcca	ctgatgggac	ttgcagcctg	ggagctccac	cgtgatctct	2760
ggcccacttt	gcgggagtct	aggctttctg	gatgctccag	gcctcacgtc	ccagggcagt	2820
tttcttccct	gaagaaagt	ggatggcatg	atctgtcttc	ccatcttgaa	accgtatggc	2880
aaattgtttt	tcagatgaat	tccctctgct	gacaaccaa	cgtgtgttct	ggaaggggtg	2940
tttgaggagg	ttgctgtggt	ttatcaaggt	aaagaagtcg	ctgctattag	aagtcagtag	3000
tctgttctca	acacagcagc	cagtgaatc	ctttcaaac	tcaaagcagc	caggtgtggt	3060
ggctcacgcc	tgtaatccca	ccgctttggg	aggctgagtc	agatcacctg	aggttaggaa	3120
tttgggacca	gcctggccaa	catggcgaca	ccccagtctc	tactaataac	acaaaaaatt	3180
agccagggtg	gctggtgcat	gtctgtaatc	ccagctactc	aggaggctga	ggcatgagaa	3240
ttgctcacga	ggcggagggt	gtagtgagct	gagatcgtgg	cactgtactc	cagcctggcg	3300
acagagggag	aacccatgtc	aaaaacaaaa	aaagacacca	ccaaagggtca	aagcatatca	3360
ttcctcaccc	tcaagccctt	agtggctcca	tttcaactcag	taagagccac	ggtccttatg	3420
gtgtccggtt	ttcagctctg	accttagctg	ctgctctctg	caccaccctg	ctgttcttgt	3480
gagtttttga	gcacaccggg	acatccccac	tccttgggaac	cttcttcccc	cacacttggc	3540
ttcttccctt	gagtctctac	tccactcggg	caagccttcc	tagacctcct	gatttaaaac	3600
tgtgactctc	ccccaacctc	cttgggtgtt	ctccgtagac	gaacatcacc	atctgatgta	3660
tgtcagcctt	tcccttcccc	tgtagaagg	gggacagcag	gtagtaaaag	tgaaatgtgc	3720
tgtaagcttt	atgagggcag	aggatttgtt	tctcgtgttc	actgttgtat	cgccagggcc	3780
tcaaacacag	cctgccacat	agtaggagtc	aacatatatt	gatcactaaa	tgtagatacc	3840
acctgtgttc	ccatgttcat	ataaattcta	gaagagtcctc	ttcagtaaca	agggtgaacc	3900
cttcagagg	gctgagtagg	tacctcaggc	cggggccaga	gtgctgtgaa	gacagcagca	3960
gcccagacca	agcttctctg	tgttccgtgt	cctgggtctag	aaccagcgat	gttctttctg	4020

accagtgcctt	tttggaaaggt	ggctgaggtc	tgggctcagg	tctggggccat	actagaagct	4080
gggatccctt	ctatagagca	cttgggtatgg	cttgtatgg	cttggggcaa	gccagaccca	4140
agccctctta	tcccatctta	gaaagggctt	caatttggt	ccagccccag	gtctgcctta	4200
gctctgtatt	cttgggggat	tttgttctgt	attggcctat	cttgactaac	aatgagcctt	4260
ggatttgaaa	catatcatca	gaaacctcag	aagacaacat	tcttaaaactg	gctagagcct	4320
ggtctgaatg	gatgaaaagg	agagactttt	gaagcaatat	gtaaaagatt	gagaaatgat	4380
ttgttgga	tttctcaatt	ggagaaattt	ctttgatttg	ttggaaattt	ctttgattct	4440
ttctcaatca	aagaaaatcg	ggacaaactc	aacaatagaa	agggaggaag	caagatactc	4500
agaaataaaa	tgcattcccc	tgtttcaact	taatgcttca	attcaggatt	ctaaggaatc	4560
cttgccagga	atgtcagact	caccttgata	gttgaggtta	ctccattgg	gactcgatca	4620
aatacaggag	ttgaggcacc	tgcactgtaa	aatactgatt	agtctgatca	ttaggaatat	4680
cctgtatgcc	aggtagaaga	tacattgaac	agattgcatg	taggcattaa	attcattttg	4740
gggtattaca	tatagacaac	acatttcatt	aagaaacata	aaactgtcag	atcgggtgga	4800
tacttaaaag	cacttgagg	tgttttagcct	aaaaagctta	gttgagggga	atggaagaaa	4860
agatctggga	gggtggttcc	aaagaaggga	tcagactatc	ctaaagccct	caggaatctg	4920
ggctgggacc	acctacttaa	agataggatg	ggcagctggg	tgtggtggct	cacgcctgta	4980
atcccagcac	ttcgggaggc	cgaagcgggc	ggatcacctg	aggtcaggag	ttcagggccca	5040
gcctgaccaa	catggagaaa	cgctgtctct	actaaaaata	caaaattagc	tgggtgtagt	5100
ggcgcatgcc	tgtaatccca	gctactcggg	aggctgaggc	aggggaatcg	cttgaacctg	5160
ggaggtggag	ggtgccgtga	gccacgatcg	cgccattgca	ctccagcctg	ggcaacaaga	5220
gcgaaactct	caaaaaacaa	aaaaaaggat	gggttccata	tgggtggtgt	caagtgccca	5280
cctcctagca	agtcagcagg	ggccagaggc	ccttgtaagt	ggtgtctcgg	ggggatcaac	5340
tgagatggct	taagatttac	ctggatgcct	gctctgctct	ccccatctct	tccagggatc	5400
cacaaatgct	aaagagctgt	cttccaagg	agtgaaaatc	tgggatgcca	atggatccc	5460
agactttttg	gacagcctgg	gattctccac	cagagaagaa	ggggacttgg	gccagtttta	5520
tggcttccag	tggaggcatt	ttggggcaga	atacagagat	atggaatcag	gtgaggagat	5580
agaacaatgc	cttccatttc	cgggtgccct	tcctagcacg	tgtttgctcc	gttgttttag	5640
ataaggtctg	ggggatgagt	caatgtcaca	ggagctgatg	tatagctttg	accttgtgag	5700
gggtggtgcc	aggttgaagc	cacaattaac	gcctactgaa	ggccgtttca	catctttttt	5760
tttttttttt	ttttaattat	tatactttta	gttttaggg	acatgtgcac	aatgtgcagg	5820
ttagttacat	atgtatacat	gtgccatgct	ggtgcgctgc	accactaact	caccatctag	5880
catcaggtat	atctcccaat	gctatccctc	ccccctctc	ccacccca	acatccccag	5940
agtgtgatgt	tccccttct	gtgtccatat	gttctcgttg	ttcgattccc	actatgagt	6000
agaatatgcg	gtgtttgggt	ttttgttctt	gcgatagttt	actgagaatg	atgatttcca	6060
tttcaccacg	tccctacaga	ggacatgaac	tcattctttt	ttatggctgc	atagtattcc	6120
atggtgtata	tgtgccacat	tttcttaatc	cagtctatca	tgttggacat	ttgggttgg	6180
tccaagtctt	tgcctattgt	gaatagtgcc	acaataaaca	tacgtgtgca	tgtgtcttta	6240
tagcagcatg	atttaaatag	cctttgggta	tatacccagt	aatgggatgg	ctgggtcaaa	6300
tggtatttct	agttctagat	ccccgaggaa	tcgccacact	gacttccaca	atggttgaac	6360
tagtttacag	tcccaccaac	agtgtcaaag	tgtcctat	ctccacatcc	tctccagcac	6420
ctgttgtttc	ctgacttttt	aatgattgcc	attctaactg	gtgtgagatg	gtatctcatt	6480
gtggttttga	tttgcgtttc	tctgatggcc	agtgatggtg	agcatttttt	catgtgtttt	6540
ttggctgcat	aaatgtcttc	ttttgagaag	tgtctgttca	tgtccttcgc	ccactttttg	6600
atgggggtgt	ttttttctta	ttaaatttgtt	tgagttcatt	gtagattctg	gatattagcc	6660
ctttgtcaga	tgagtaggtt	gcaaaaatgt	tctcccattt	tgtgggttgc	ctgttcactc	6720
tgatggtagt	ttcttttgc	gtgcagaagc	tcttttagttt	aattagatcc	catttgtcaa	6780
ttttggcttt	tgttgccatt	gcttttggca	taggcataaa	gtccttgccc	atgcctatgt	6840
cctgaatgg	aatgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaactgtta	6900

agtctttaat	ccatcttgaa	ttgatttttg	tataaggtgt	aaggaaggga	tccagtttca	6960
gctttttaca	tatggctagc	cagttttccc	agcaccatth	attacatagg	gaatcctttc	7020
cccattgctt	gtttttctca	ggtttgtcaa	agatcagata	gtttagata	tgcggcgta	7080
tttctgaggg	ctctgttctg	ttccattgat	ctatgtgtct	gttttggtag	cagtaccata	7140
ctgttttggg	tactgtagcc	ttgtagtata	gtttgaagtc	aggtagcgtg	atgcctccag	7200
ctttgttctt	ttggcttagg	attgacttgg	cgatgcgggc	tcttttttgg	ttccatatga	7260
actttaaagt	agttttttcc	aattctgtga	agaaagtcac	tggtagcttg	atggggatgg	7320
cattgaatct	ataaattacc	ttgggcagta	tggccatttt	cacgatattg	attcttccta	7380
cccatgagca	tggaatggtc	ttccatttct	ttgtatcctc	ttttatttca	ttgagcagtg	7440
gtttgtagtt	ctccttgaag	aggctcctca	catccctttt	aagggtggatt	cctaggtatt	7500
ttattctctt	tgaagcaatt	gtgagtggaa	gttcactcat	gatttggctc	tctgtttgtc	7560
tgttattggg	gtataagaat	gcttgtgatt	tttgcagatt	gattttatat	cctgagactt	7620
tgctgaagct	gcttatcagc	ttaaggagat	tttgggctga	gacaatgggg	ttttctagat	7680
atacaatcat	gtcgtctgca	aacagggaca	atttgacttc	ctcttttccct	aattgaatac	7740
cctttatttc	cttctcctgc	ctaattgccc	tggccagAAC	ttccaacact	atgttgaata	7800
ggagtgggtga	gagagggcat	ccctgtcctg	tgccagtttt	caaagggaa	gcttccagtt	7860
tttgcccat	cactatgata	ttggctgtgg	ctttgtcata	gatagctctt	attattttga	7920
aatatgttcc	atcaatacct	aattttattga	gagtttttag	catgatgtgt	tggtgaattt	7980
tgtcaaaggc	tttttctgca	tctattgaga	taatcatgtg	gtttttgtct	ttggatctgt	8040
ttatatgctg	gattacattt	attgatttgc	gtatattgaa	ccagccttgc	atcctagggg	8100
tgaagcccac	atgatcatgg	tggataagct	ttttgatgtg	ctgctggatt	cggtttgcca	8160
gtattttatt	gaggattttt	gcatcaatgt	tcatcaaggA	tattgggtcta	aaattctctt	8220
ttttgggtg	tctctgcccc	gctttgggtat	caggatgatg	ttggcttcat	aaaatgagtt	8280
agggaggatt	ccctcttttt	ctattgattg	gaatagtttc	agaaggaatg	gtaccagttc	8340
ctctttgtac	ctctggagaa	ttcggtctgt	aatccatctg	gtcctggact	ctctttgggt	8400
ggtaagctat	tgattattgc	cacaatttca	gtcctgttta	ttgggtctatt	cagagattca	8460
acttcttcc	ggtttagtct	tgggagagtg	tatgtgtcaa	ggaatttatc	catttcttct	8520
agattttcta	gtttatttgc	gtagaggtgt	ttgtagtaat	ctctgatggg	agtttgtatt	8580
tctgtgggat	cgggtgggtat	atccccctta	tcatttttta	ttgctgtctat	ttgattcttc	8640
tctttttctt	tattagtctt	gctagcggtc	tataaatttt	gttgatcctt	tcaaaaaacc	8700
agctcctgga	ttcattaatt	ttttgaaggg	ttttttgtgt	ctctatttcc	ttcagttctg	8760
ctctgatttt	agttatttct	tgccttctgc	tagcttttga	atatgtttgc	tcttgctttt	8820
ctagttcttt	taattgtgat	gttaggggtgt	caatttttga	tctttcctgc	tttctcttgt	8880
gggcatttag	tgctataaat	ttccctctac	acactgcttt	gaatgtgtcc	cagaggttct	8940
ggtagttgt	gtctttgttc	ttgttgggtt	caaagaacat	ctttatttct	gccttcattt	9000
cgttatgtac	ccagtagtca	ttcaggagca	ggttgttcag	tttccatgta	gttgagcagt	9060
tttgagttag	attcttaatc	ctgagttcta	gtttgattgc	actgtgggtc	gagagatagt	9120
ttgttataat	ttctgttctt	ttacatttgc	tgaggagagc	tttacttcca	actatgtggg	9180
cggttttgga	ataggtgtgg	tgtgggtgctg	aaaaaatgt	atattctgtt	gatttgggat	9240
ggagtctctgt	agatgtctat	taggtctgct	tgggtgcagag	ctgagttcaa	ttcctgggta	9300
tccttgttga	ctttctgtct	cgttgatctg	tgtactgttg	acagtgggtg	ttaaagtctc	9360
ccattattaa	tgtgtggagt	ctaagtctct	ttgtaggtca	ctcagatgat	tggcacttac	9420
tgggcgcttg	gcactttcca	tactgtgtca	tgggcagata	gctgcatggg	tgggtgtcgt	9480
gctggggaat	gggaagttca	tgggtgggac	aaggacaaaa	tggcccccatt	gctttgttgt	9540
ggctttaatc	tccttttcga	ggctgagcca	cagcgtgctg	taggtggcgc	tgctgtgaag	9600
cgcagtagca	gggtcacact	ccactcccag	ctctgcagag	gtggagaaaag	aatgaaacat	9660
ctcactcctg	gacttccact	ttcctgtcac	tgttgggtgtc	acctcttact	ggatgtcaca	9720

gagcccagcc	cctcccacct	gtgcctagga	aaagcagatg	ccaccttggga	atgtgggggtt	9780
tgtgtgtgca	atttactagc	tgggcagaga	ccagcaacct	ggagagcagg	tgtctcgtct	9840
aaggggacag	tcacatttca	cctccagcca	cctggaggaa	tttgggcctg	gtgatgtcag	9900
aattcttcaa	taaaagccta	aaatctatat	tttatgtgcg	gtcatgagat	ctgttaaagt	9960
ttagcaactt	caggaagttt	aaaaatgctg	tgtggacctg	gaataggcaa	gttcttaaag	10020
gcagaaaagt	gaatgctagt	ttccagggac	tggggaacag	ggaggaatgg	ggagttcatg	10080
tttaatgggc	acagaggttt	tgtaggggat	gacgaaaaag	ttcgggagat	ggtgatgggt	10140
atggagatgg	tgatgggtgat	ggagatgggt	atgggtgatg	tgatgggtgat	gggtgatgggt	10200
gatgggtgat	gtgatgggtga	tggagatgggt	gatgggtgat	gtgatggaga	tgggtgatgggt	10260
gatgggtgat	gtgatggaga	tgggtgatgggt	gatggagatg	gtgatgggtga	tgggtgatgga	10320
gatgggtgat	gtgatgggtga	tgggtgatgggt	gatgggtgat	gtgatggaga	tggagatgggt	10380
gatgggtgat	gttgacctaac	atcaggaacg	tgcttaatgc	ttctgaattg	cacacaaaaa	10440
tggcaagttt	aatattatgt	gtactttatc	acaatgaaaa	aagctgctgc	gtggggccaag	10500
ttacttgtgc	aggtaatggt	ctgcagggtg	ttgcctgcac	ctcagttgta	gggtgtccgt	10560
aggatgtgag	gccagtcccc	gggcttaatg	atgctttaaa	tcctgcctag	tattcaatta	10620
tttcttgtcg	cttaaaaggc	ctaataaaat	tatggtctta	gtttacagtg	gtatgaatgc	10680
ttagctggtg	gatttttagta	ggaaagttcg	tccctttttg	tttttaattt	tgttttacag	10740
attcacagga	attttttttt	tttttttttt	tttttttttt	taatgcacag	aaagtttccc	10800
tggactctct	accagtttcc	cccagtgata	atatcttggg	taacatcctg	tatacattca	10860
cattggtgca	ttcctcagag	ttgtcagatt	ttgctagttt	tacgtgcact	tgtgtatgtg	10920
tgtatttgca	atttttagcac	gtgtagactc	ttgtaaccac	tacaatcaag	ttacagaact	10980
acactacca	ggttcatctt	tttaaaatct	ttgatgttac	cttttttggg	acagtgacca	11040
tgagaggact	ttcctcccaa	aattttgaaa	actactgaac	cagaatatag	tctgacacta	11100
ataggtagaa	atttaaccac	aggagattat	gaagctctgc	acttgagtta	acaaaatcac	11160
ttctcagctt	ccagttccat	ctcagaagga	aggaaaaggg	attaaaaatc	cagagaccag	11220
aaaatgggag	caaagtacaa	ggtggtgtaa	tatttacaga	ggtttcctga	tgtttccaag	11280
tcagtctgtg	gttgagctgc	taaactctaa	agtaatttta	ggtggaatgt	tggaaacatg	11340
ctgctgaggt	gatagaaagg	aatccatggt	cctctgttag	ttggaaagta	tatggaatac	11400
tatattctac	ataagataca	atactctctg	tgagacaagg	ataaagtaga	ttttgtcagt	11460
gaaattgtga	caagaatcgc	tgatgggttt	agagcctaag	tttgcgagga	gcactggaag	11520
aaattaagat	tgttgagatt	ggaaagggtt	agctatgggg	gaacaggagg	aggtgactcc	11580
atgacagacc	aaatattcaa	aggactgtgt	agaagaggaa	aaagactttg	ttagggctcc	11640
agaggacaga	gccaggagtc	agacagggcc	ttgaactcaa	cccaccgaga	tctgcaaact	11700
ttgcaggatg	caccagatgt	cttgtagcca	tgggtcaagg	ggggaccctg	ggtaagagac	11760
tgtaatagat	gacctctaag	gccatctcat	gacatgtgtg	attaatgtat	gtacctgtcc	11820
tctctttttg	acaattctac	agattattca	ggacaggagg	ttgaccaact	gcaaagagt	11880
attgacacca	tcaaaaccac	ccctgacgac	agaagaatca	tcatgtgcgc	ttggaatcca	11940
agaggttgaa	agaaccccg	cgtcttcatt	tataactaacc	atactcttag	aggggaagcaa	12000
tctggttttg	tgcagaggca	ctgagggagg	caggaccctg	ggcaacttcc	cccagccaca	12060
tgggtgtgtg	acgttgggca	agtcacattt	tgctgcactt	tcaccttcag	atcatgaggt	12120
tgggcccaga	ggattttttt	tttttttttt	tttttttgaga	cagagttttg	ctctgttgcc	12180
caggctggaa	tgcaacggcg	tgatcttggc	tactgtaac	ctctgcctcc	tgggttcgag	12240
tgattctcct	gcctcagcct	ccaagtagct	gggattacag	catgtgccac	catgcctggc	12300
taattttgta	tttttagtag	agacgggttc	acatgttgggt	caggctgggtc	ttgactcctg	12360
accctcagat	gatctgcctt	gcctcagcct	cccaaccgag	tgatcttaag	ttgtgtatta	12420
tactcattct	tacacaaaaa	gggctttaaa	tgctagaaaa	ctacatgaag	atgttaacat	12480
tttaaatgga	agcagatgaa	gttcagctc	gctgccacct	cactaacatt	tttaacaatt	12540
atattgtaaa	attcaactct	accaggggtg	agagccaggt	gtgggtggctc	acacctgtaa	12600

ttccaacaac	tccagaggcc	aaggcgagag	gatcatttga	acccacggaa	tttgaggctg	12660
tagtgagtca	tgatcacgcc	attgcactcc	atcctgggca	acagagttag	accctgaata	12720
tttaaaaaa	acaacaacaa	caaaaactcta	tcaggatata	ataagtactt	agagtgaat	12780
acttgcatct	gtaatagaga	cttatttttt	ttttttttga	gacacagtct	caccctgttg	12840
cccaggctgg	agtgcagtgg	tttgatctcc	gctcacggca	acctccatct	cccaggttca	12900
agtgagttcc	cattcctcag	ccccagagct	gggaccacag	gcgcgcgaat	ttttgtattt	12960
ttagcagaga	cgggggtttca	ctatgttggc	caggctagtc	tcaaactcaa	gttggcctca	13020
agtgatctgc	ccaccctggc	gtcccagtgt	tgggatttca	ggcatgagcc	actgtgcctg	13080
gccatgtaat	agagactttt	aatataggag	ggtgtaccag	aagcaccagt	ttcctgtggc	13140
aaacagaatt	attcctgctg	tatttgtaat	ttggtgccac	gaggtagccc	agatcccttc	13200
agctctgatg	gaagagcatt	gcttcagccg	taaatggaca	cctgcagaaa	ccttgaccgc	13260
atggatagtc	tccctcagct	ccgtgccatc	gctgcagggg	ctgttatgga	catcactgca	13320
gccagtgagg	tctctctcct	ggtctccacc	atatgagttg	gcttctgttt	ctctcctgtt	13380
ttactttgcc	tttagctgtg	gtctttcaaa	ccaccatccc	tccttatctt	cctctgctgg	13440
ttcctcagat	cttctctga	tggcgctgcc	tccatgccat	gccctctgcc	agttctatgt	13500
ggtgaacagt	gagctgtcct	gccagctgta	ccagagatcg	ggagacatgg	gcctcgggtg	13560
gcctttcaac	atcgccagct	acgccttgct	cacgtacatg	attgcgcaca	tcacgggcct	13620
gaagggtggc	tgtctcggga	agggtgactt	gccagcctac	cacatgagct	cttcagttct	13680
ttaatatggg	aaaacaaatt	gcagagttta	gtctctgatt	agctttttaa	tttgatatgt	13740
gtaagtaaga	catgaaccag	cttttacttt	gaaaccttcc	ttttctggaa	ggttttctgg	13800
ccctgtggta	tatgcactaa	cagatctata	cagggtgttt	gtgatacagc	ttctatggat	13860
cttctcaaaa	gctatgctga	ggttgggtat	ggtggctcat	gcctgtaatc	ccagcacttt	13920
ggaagactga	gacaggagca	attgcttgag	gtctggagtt	caataccagc	ctgggcaaca	13980
taacaagatg	ctgttgctac	aaaaaatgg	aaaagctaca	ctaaattatt	tttttaaaaa	14040
aagccttgcg	gtgtctgcat	attctaattg	ttttaaatga	tgtttttaaag	aattgaaact	14100
aacatactgt	tctgctttct	cccggtttat	agccagggtga	ctttatacac	actttgggag	14160
atgcacatat	ttacctgaat	cacatcgagc	cactgaaaat	tcaggtaaga	attagatgtt	14220
atacttttgg	gtttgggtacc	ttctcttgat	aaaagggtga	ctgtggaaca	ggtatctgct	14280
caatgctgtg	tccaagataa	agatgactgc	tccaaatgtg	gggcttcagt	ttaggaggaa	14340
gtggtgggca	ggtgggcagg	acaaggcagg	catctgcctc	agcaaccatg	gcacttaact	14400
tgtcaggtgc	tgtgaggtac	taagcaccag	taccagagag	ggaagagcca	cattcaagcc	14460
aggggattgt	ccaaaaggag	gcattttaac	tcattttaac	ttgaaggaga	attgaagtgc	14520
aatgtttttt	ccttttcttt	ttttttgaga	tggagtcttt	ctctgtcggc	caggctggag	14580
tgtgccgtgg	tgcgatctca	gctcactgca	acctccacct	cccgggttca	agcaattctt	14640
ctgcctcagc	ctcccaggta	gctgggatta	caggcacatg	ccaccacacc	cagctaattt	14700
tttgatttat	tagtagagat	ggggtttcgt	catgttggcc	aggctgatct	caaactcctg	14760
acttcaagtg	taccacctgc	ctcagcctcc	gaaagtctct	gaattacagg	cataagccac	14820
caccctggcc	ataaatattt	tttggttaatt	ttacattaag	tacaatattt	aggtccaaac	14880
ttcaaaaagtc	tgttgaaatc	cctgaagtta	tagcagccaa	caattgatat	gaaatggcaa	14940
taaaaatgta	agttcatctg	cttcatgagc	cttaaggaaa	aaaactcaga	accagacact	15000
ttttagcccc	ttccagggtta	gatccagggt	ttaaaagtta	ttccttttag	ggagtttggc	15060
tgctttttgag	tggaggtgac	ttcaggctta	ttctctctgg	ctctctgctc	tgggtcatttt	15120
tagacatagt	aataggttgt	gacctgtctt	cacatcctaa	ttgccactgt	ctgttcatcc	15180
caggaatcct	ggctttcatc	cctttctgtt	cactgtccat	gcatgtcatc	tttcttctct	15240
tctgccaggg	accagatggg	ttagggtattg	tgaattcaag	taaacgtaga	gctactatga	15300
gttacagatt	gactgtgttc	ctgtctttta	taaatttgcc	aagagtgggt	ataagaactt	15360
acacctgatg	aggcaccagg	ctcctgatgc	tgtgtaattg	cacaaaatac	ccctcactct	15420



cgatctgtgc	aagagaacag	ctgggttgccg	tccaatcatg	ttacataacc	tacgcgaagg	15480
tatcgacagg	atcatactcc	tgtaaaatag	aactttgttg	atcacatcct	gtgtacttgt	15540
ttcacggaca	tgaggagcaa	ttacaacagg	tcgtacaatt	atggcaaaat	aatggcctta	15600
ttttgttttt	agcttcagcg	agaaccagga	cctttcccaa	agctcaggat	tcttcgaaaa	15660
gttgagaaaa	ttgatgactt	caaagctgaa	gactttcaga	ttgaagggtg	caatccgcat	15720
ccaactatta	aaatggaaat	ggctgttttag	ggtgctttca	aaggagctcg	aaggatattg	15780
tcagtcttta	gggggttgggc	tggatgccga	ggtaaaagtt	ctttttgctc	taaaagaaaa	15840
aggaactagg	tcaaaaatct	gtccgtgacc	tatcagttat	taatttttaa	ggatgttgcc	15900
actggcaaat	gtaactgtgc	cagttctttc	cataataaaa	ggctttgagt	taactcactg	15960
agggtatctg	acaatgctga	ggttatgaac	aaagtgaaga	gaatgaaatg	tatgtgctct	16020
tagcaaaaac	atgtatgtgc	atttcaatcc	cacgtactta	taaagaaggt	tggatgaattt	16080
cacaagctat	ttttggaata	tttttagaat	attttaagaa	tttcacaagc	tattccctca	16140
aatctgaggg	agctgagtaa	caccatcgat	catgatgtag	agtgtgggta	tgaactttaa	16200
agttatagtt	gttttatatg	ttgctataat	aaagaaggtg	tctgcattcg	tccacgcttt	16260
gttcattctg	tactgccact	tatctgctca	gttccttcct	aaaatagatt	aaagaactct	16320
ccttaagtaa	acatgtgctg	tattctgggt	tggatgctac	ttaaaagagt	atatttttaga	16380
aataatagtg	aatatatttt	gccctatttt	tctcatttta	actgcatctt	atcctcaaaa	16440
tataatgacc	atttaggata	gagttttttt	tttttttttt	taaactttta	taaccttaaa	16500
gggttatattt	aaaataatct	atggactacc	attttgccct	cattagcttc	agcatgggtg	16560
gacttctcta	ataatatgct	tagattaagc	aaggaaaaga	tgcaaaacca	cttcgggggtt	16620
aatcagtga	atatttttcc	cttcggttgca	taccagatac	ccccgggtgt	gcacgactat	16680
ttttattctg	ctaatttatg	acaagtgtta	aacagaacaa	ggaattattc	caacaagtta	16740
tgcaacatgt	tgcttatttt	caaattacag	tttaatgtct	aggtgccagc	ccttgatata	16800
gctatttttg	taagaacatc	ctcctggact	ttgggttagt	taaatctaaa	cttattttaag	16860
gattaagtag	gataacgtgc	attgatttgc	taaaagaatc	aagtaataat	tacttagctg	16920
attcctgagg	gtggtatgac	ttctagctga	actcatcttg	atcggtagga	ttttttaaat	16980
ccatttttgt	aaaactattt	ccaagaaatt	ttaagccctt	tcacttcaga	aagaaaaaag	17040
ttgttggggc	tgagcactta	attttcttga	gcaggaagga	gtttcttcca	aacttcacca	17100
tctggagact	gggtgtttctt	tacagattcc	tccttcattt	ctgttgagta	gccgggatcc	17160
tatcaaagac	caaaaaaatg	agtcctgtta	acaaccacct	ggaacaaaaa	cagattttat	17220
gcatttatgc	tgctccaaga	aatgctttta	cgtctaagcc	agaggcaatt	aattaatttt	17280
tttttttttg	acatggagtc	actgtccgtt	gccaggctg	cagtgcagtg	gcgcaatctt	17340
ggctcactgc	aacctccacc	tcccaggttc	aagtgattct	cctgcctcag	cctcccatgt	17400
agctgggac	acaggcacct	gccaccatgc	ccggctaatt	ttttgtattt	ttttagagag	17460
cagggtttca	ccatgttggc	caggctgggc	tcaaacacct	gacctcaaat	gatccacctg	17520
cctcagcctc	ccaaagtgtt	gggattacag	gcgtaagcca	ccatgccag	ccctgaatta	17580
atatttttaa	aataagtttg	gagactgttg	gaaataatag	ggcagaggaa	catattttac	17640
tggctacttg	ccagagttag	ttaactcatc	aaactctttg	ataatagttt	gacctctgtt	17700
ggtgaaaatg	agccatgatc	tcttgaacat	gatcagaata	aatgccccag	ccacacaatt	17760
gtagtccaaa	cttttttaggt	cactaacttg	ctagatgggtg	ccaggttttt	ttgcacaagg	17820
agtgcaaatg	ttaagatctc	cactagttag	gaaaggctag	tattacagaa	gccttgtcag	17880
aggcaattga	acctccaagc	cctggccctc	aggcctgagg	attttgatac	agacaaactg	17940
aagaaccgtt	tgttagtggg	tattgcaaac	aaacaggagt	caaagcttgg	tgctccacag	18000
tctagttcac	gagacaggcg	tggcagtggc	tggcagcatc	tcttctcaca	ggggccctca	18060
ggcacagctt	accttgggag	gcatgtagga	agcccgtctg	atcatcacgg	gatacttgaa	18120
atgctcatgc	aggtggtcaa	catactcaca	caccctagga	ggagggaatc	agatcggggc	18180
aatgatgcct	gaagtcagat	tattcacgtg	gtgctaactt	aaagcagaag	gagcgagtac	18240
cactcaattg	acagtgttgg	ccaaggctta	gctgtgttac	catgcgtttc	taggcaagtc	18300

cctaaacctc	tgtgcctcag	gtccttttct	tctaaaatat	agcaatgtga	ggtggggact	18360
ttgatgacat	gaacacacga	agtccctctg	agagggtttg	tgggtgccctt	taaaagggat	18420
caattcagac	tctgtaaata	tccagaatta	tttgggttcc	tctggtcaaa	agtcagatga	18480
atagattaaa	atcaccacat	tttgtgatct	atttttcaag	aagcgtttgt	attttttcat	18540
atggctgcag	cagctgccag	gggcttgggg	tttttttggc	aggtaggggt	gggagg	18596

<210> 349  
 <211> 3493  
 <212> DNA  
 <213> Homo sapiens

<400> 349	agcggccggg	gccacgatgg	agcgcgacgg	ctgcgcgggg	ggcgggagcc	gcggcggcga	60
	gggcgggcgc	gctccccggg	agggcccggc	ggggaacggc	cgcgatcggg	gccgcagcca	120
	cgctgccgag	gcgcccgggg	acccgcaggc	ggccgcgtcc	ttgctggccc	ctatggacgt	180
	gggggaggag	ccgctggaga	aggcggcgcg	cgccgcact	gccaaggacc	ccaacaccta	240
	taaagtactc	tcgctggtat	tgtcagtatg	tgtgttaaca	acaatacttg	gttgtatatt	300
	tgggttgaaa	ccaagctgtg	ccaaagaagt	taaaagttgc	aaaggctcgt	gtttcgagag	360
	aacatttggg	aactgtcgtc	gtgatgtctg	ctgtgttgag	cttggaact	gctgtttaga	420
	ttaccaggag	acgtgcatag	aaccagaaca	tatatggact	tgcaacaaat	tcaggtgtgg	480
	tgagaaaagg	ttgaccagaa	gcctctgtgc	ctgttcagat	gactgcaagg	acaagggcga	540
	ctgctgcac	aactacagtt	ctgtgtgtca	aggtgagaaa	agttgggtag	aagaaccatg	600
	tgagagcatt	aatgagccac	agtgcccgag	agggtttgaa	acgcctccta	ccctcttatt	660
	ttctttggat	ggattcaggg	cagaatattt	acacacttgg	ggtggacttc	ttcctgttat	720
	tagcaaacta	aaaaaatgtg	gaacatatac	taaaaacatg	agaccggtat	atccaacaaa	780
	aactttcccc	aactactaca	gcattgtcac	cggattgtat	ccagaatctc	atggcataat	840
	cgacaataaa	atgtatgatc	ccaaaatgaa	tgcttccttt	tcacttaaaa	gtaaagagaa	900
	atttaatcct	gagtgggtaca	aaggagaacc	aatttgggtc	acagctaagt	atcaaggcct	960
	caagtctggc	acatttttct	ggccaggatc	agatgtggaa	attaacggaa	ttttcccaga	1020
	catctataaa	atgtataatg	gttcagtacc	atttgaagaa	aggatttttag	ctgttccttca	1080
	gtggctacag	cttcctaaag	atgaaagacc	acacttttac	actctgtatt	tagaagaacc	1140
	agattcttca	ggtcattcat	atggaccagt	cagcagtga	gtcatcaaag	ccttgagag	1200
	ggttgatggt	atggttggta	tgctgatgga	tggtctgaaa	gagctgaact	tgacagatg	1260
	cctgaacctc	atccttattt	cagatcatgg	catggaacaa	ggcagttgta	agaaatacat	1320
	atatctgaat	aaatatttgg	gggatgttaa	aaatattaaa	gttatctatg	gacctgcagc	1380
	tcgattgaga	ccctctgatg	tcccagataa	atactattca	tttaactatg	aaggcattgc	1440
	ccgaaatctt	tcttgccggg	aaccaaacca	gcacttcaaa	ccttacctga	aacatttctt	1500
	acctaagcgt	ttgcactttg	ctaagagtga	tagaattgag	cccttgacat	tctatttggg	1560
	ccctcagtg	caacttgcac	tgaatccctc	agaaaggaaa	tattgtggaa	gtggatttca	1620
	tggctctgac	aatgtatttt	caaatatgca	agccctcttt	gttggctatg	gacctggatt	1680
	caagcatggc	attgaggctg	acacctttga	aaacattgaa	gtctataact	taatgtgtga	1740
	tttactgaat	ttgacaccgg	ctcctaataa	cggaactcat	ggaagtctta	accaccttct	1800
	aaagaatcct	gtttatacgc	caaagcatcc	caaagaagtg	cacccctgg	tacagtgcc	1860
	cttcacaaga	aacccagag	ataaccttgg	ctgctcatgt	aacccttcga	ttttgccgat	1920
	tgaggatttt	caaacacagt	tcaatctgac	tgtggcagaa	gagaagatta	ttaagcatga	1980
	aactttaccc	tatggaagac	ctagagttct	ccagaaggaa	aacaccatct	gtcttctttc	2040
	ccagcaccag	tttatgagt	gatacagcca	agacatctta	atgccccttt	ggacatccta	2100
	taccgtggac	agaaatgaca	gtttctctac	ggaagacttc	tccaactgtc	tgtaccagga	2160
	ctttagaatt	cctcttagtc	ctgtccataa	atgttcattt	tataaaaata	acaccaaagt	2220
	gagttacggg	ttcctctccc	caccacaact	aaataaaaat	tcaagtggaa	tatattctga	2280
	agctttgctt	actacaaata	tagtgccaat	gtaccagagt	tttcaagtta	tatggcgcta	2340

ctttcatgac	accctactgc	gaaagtatgc	tgaagaaaga	aatggtgtca	atgtcgtcag	2400
tggtcctgtg	tttgactttg	attatgatgg	acgttgtgat	tccttagaga	atctgaggca	2460
aaaaagaaga	gtcatccgta	accaagaaat	tttgattcca	actcacttct	ttattgtgct	2520
aacaagctgt	aaagatacat	ctcagacgcc	tttgactgtg	gaaaacctag	acaccttagc	2580
tttcattttg	cctcacagga	ctgataacag	cgagagctgt	gtgcatggga	agcatgactc	2640
ctcatgggtt	gaagaattgt	taatgtttaca	cagagcacgg	atcacagatg	ttgagcacat	2700
cactggactc	agcttctatc	aacaaagaaa	agagccagtt	tcagacattt	taaagttgaa	2760
aacacatttg	ccaaccttta	gccaagaaga	ctgatatggt	ttttatcccc	aaacaccatg	2820
aatctttttg	agagaacctt	atattttata	tagtccctcta	gctacactat	tgcattgttc	2880
agaaactgtc	gaccagagtt	agaacggagc	cctcgggtgat	gcggaacatct	cagggaaact	2940
tgcgtactca	gcacagcagt	ggagagtgtt	cctgttgaat	cttgacata	tttgaatgtg	3000
taagcattgt	atacattgat	caagtccggg	ggaataaaga	cagaccacac	ctaaaactgc	3060
ctttctgctt	ctcttaaagg	agaagtagct	gtgaacattg	tctggatacc	agatatttga	3120
atctttctta	ctattggtaa	taaaccttga	tggcattggg	caaacagtag	acttatagta	3180
gggttgggg	agcccatggt	atgtgactat	ctttatgaga	attttaaaagt	ggttctggat	3240
atcttttaac	ttggagtttc	atttcttttc	attgtaatca	aaaaaaaaat	taacagaagc	3300
caaaataactt	ctgagacctt	gtttcaatct	ttgctgtata	tccctcaaaa	atccaagtta	3360
ttaatcttat	gtgttttctt	tttaattttt	tgattggatt	tcttttagatt	taatggttca	3420
aatgagttca	actttgaggg	acgatctttg	aatatactta	cctattataa	aatcttactt	3480
tgtatttgta	ttt					3493

<210> 350  
 <211> 836  
 <212> DNA  
 <213> Homo sapiens

<400> 350	gtgaaacacc	ctcggctggg	aagtcagttc	gttctctcct	ctcctctctt	cttgtttgaa	60
	catggtgctg	actaaagcag	acagtgttcc	aggcacttac	agaaaagtgg	tggctgctcg	120
	agccccaga	aaggtgcttg	gttcttccac	ctctgccact	aattcgacat	cagtttcatc	180
	gaggaaagct	gaaaataaat	atgcaggagg	gaaccccggt	tgcgtgcgcc	caactcccaa	240
	gtggcaaaaa	ggaattggag	aattcttttag	gttgtccctt	aaagattctg	aaaaagagaa	300
	tcagattcct	gaagaggcag	gaagcagtg	cttaggaaaa	gcaaagagaa	aagcatgtcc	360
	tttgcaacct	gatcacacaa	atgatgaaaa	agaatagaac	tttctcattc	atctttgaat	420
	aacgtctcct	tgtttaccct	ggtattctag	aatgtaaatt	tacataaatg	tgtttgttcc	480
	aattagcttt	gttgaacagg	catttaatta	aaaaatttag	gtttaaattt	agatgttcaa	540
	aagtagttgt	gaaatttgag	aatttgtaag	actaattatg	gtaacttagc	ttagtattca	600
	atataatgca	ttgtttgggt	tcttttacca	aattaagtgt	ctagttcttg	ctaaaatcaa	660
	gtcattgcat	tgtgttctaa	ttacaagtat	gttgtatttg	agatttgctt	agattgttgt	720
	actgctgcc	tttttatttg	tgtttgatta	ttggaatggt	gccatattgt	cactccttct	780
	acttgcttta	aaaagcagag	ttagattttt	gcacattaaa	aaattcagta	ttaatt	836

<210> 351  
 <211> 5404  
 <212> DNA  
 <213> Homo sapiens

<400> 351	cctgtgttac	atctggaagc	aagcagtgct	gctgacggtg	tgagtgctgc	atgggaggag	60
	gtggctggcc	accacgcaga	ccgtggcccg	cagggatcgg	atgccaatgg	tgatggtgac	120
	cagggccatg	agaatgccgc	attgccagac	ccgcaggagt	cggaccagc	agacatgaac	180
	gctctcgctc	tgggtccctc	agaatatgac	tctctgcctg	aaaatagcga	gacaggagga	240
	aatgagtctc	aaccagacag	ccaggaagac	ccccgagaag	tacttaaaaa	aacattggaa	300
	ttctgcttat	ctagggagaa	ccttgctagt	gacatgtatc	ttatatcaca	gatggatagt	360

gaccagtatg	tgccaatcac	aacgggtggct	aacctcgacc	acatcaagaa	gctcagcact	420
gatgtggact	tgattgtgga	agtgtctaaga	tctttacctt	tagtccaagt	ggatgaaaag	480
ggagaaaaag	taaggccaaa	tcaaaatcgc	tgcatagtaa	tattgctga	aatatctgaa	540
tctacccccg	tggaagaagt	agaagcacta	tttaaaggag	ataatttacc	aaaatttata	600
aactgtgaat	ttgcatataa	tgataattgg	tttattacat	ttgaaacaga	agctgatgca	660
caacaggctt	acaaatacct	tcgagaagaa	gtcaaaactt	ttcaaggaaa	accaattaag	720
gcacggataa	aagcaaaggc	aatagctata	aacacatttt	tgccaaagaa	tggtatttaga	780
cccctggacg	tgagcctgta	tgcccagcag	cgctacgcga	cgctcgttcta	cttccctccc	840
atgtacagcc	cccagcagca	gttccccctg	tacagcctga	tcactcccca	gacgtgggtca	900
gcaacgcaca	gctatcttga	cccacccttg	gtaactccat	ttccaaatac	tggtatttata	960
aatgggttta	cgtctccagc	gttcaagcct	gcggcgtctc	ctctgacttc	tctcagacag	1020
tatctctctc	gaagcaggaa	tcctagtaaa	tctcatctgc	ggcatgcat	tcctagtgc	1080
gagaggggac	ctgggttatt	agaaagtcc	tcaatattta	acttcactgc	agatcgatta	1140
attaatggtg	tccggagtcc	acaaacaagg	caagcaggtc	aaactagaac	acggattcaa	1200
aacccttcag	catatgcaa	gagagaggct	gggcctgggc	gtgtggagcc	aggcagtctc	1260
gaatctctc	ctggttttagg	gaggggaagg	aagaattcct	ttggctaccg	gaagaaaagg	1320
gaggagaagt	ttacaagcag	ccagacacag	tctccaacgc	caccaaagcc	tccgtcgcca	1380
agcttcgagc	tggggctgtc	cagcttccct	ccattacctg	gagctgccgg	caatttgaag	1440
acagaggact	tgtttgaaaa	caggctatct	agcttgataa	taggaccatc	caaagaaagg	1500
accctcagt	cagacgcaag	cgtgaacacc	cttctcttag	tggtctccag	agagccctcg	1560
gtgccggctt	cttgtgtgt	atcagcaacg	tacgagcgat	ccccctcccc	agctcattta	1620
cccgatgatc	ccaagggtggc	ggagaaaacag	agggaaaccc	acagtgtgga	cagacttcct	1680
tccgccctca	ctgcgaccgc	gtgtaaactc	gtgcagggtga	acggagccgc	cacggaattg	1740
cgaaagccca	gctacgcaga	gattttgtcag	agaacgagta	aagagcctcc	ttcttcccca	1800
ttgcaacccc	aaaaagaaca	aaagccaaac	actgtttggtt	gtgggaagga	ggaaaagaag	1860
ctggcagagc	ccgcagagag	ataccgggag	ccccagccc	tcaagtccac	acctggagcc	1920
cccagagacc	agaggcggcc	ggcggggggc	cggccctcgc	cctcggccat	ggggaagcgt	1980
ctcagccgag	agcagagcac	tcccccaag	tctcctcagt	gaaaaccgta	cgtctgggag	2040
gggtcgcaga	gcgctgtgtt	aaccacaaac	gagacactct	cccactcagt	gcgagggcga	2100
gccgctggtt	aggagcttgc	agtgtctgag	gcctgtggga	tcctcaagtt	ggttttcttc	2160
tgtgagttgg	attctcccc	tcttgaaaaa	aaatcgattt	ttcaggattt	aattaatata	2220
aaccttattt	taggtttggtg	cttaactgga	ggtgatgcat	aagtctgatt	tttttttcca	2280
agatagaaaa	agcatttatc	ctaacaaatt	ggtatttttt	attaagcctc	catgtggctc	2340
tgaatgcaag	ctatatatag	tgagtttttc	taaattaagg	gaactctgct	tttttttttt	2400
ttttttaagt	aactggtctg	taagtgcata	tctctagaac	gtccccgcag	atgaatgagg	2460
gccagtggcc	ttggcagagg	caggtgtggc	ctcgtagagg	cagtgtggc	cgcgccaggg	2520
catcagtgt	gatgtgggag	ctgtgtcttc	acctaagccg	ttggtagggg	actgtggcat	2580
ttaagaatgt	agagagcgca	tcctttttga	tctcctgggc	ggagtgaacc	tgcaagggcc	2640
accccagaaa	ccttggttct	gatgcactgc	aagcaagtaa	ccagcttctc	actccagttt	2700
caagtggcta	ttatgtaata	taaattcaaa	gcacattgtg	aatagaacct	acatgaaaac	2760
atacactttg	ttgccactg	acatgttacc	agaagtgtga	ccatgatgtt	gttttgacct	2820
ctgtgagctg	atggccccgg	ccctgctctg	tgacatttct	tgtccgtgtt	ccccagcact	2880
ctggttgag	agagtccaca	tcttcagctc	cgtgtggaca	tctccctgta	cctctgcctc	2940
agcacatgga	tttaagagtt	atgtaatcgt	gagagaatgg	tgtttggtgt	ttttccccct	3000
ctttggctgg	tgaggataa	agttcctgct	cttttacctc	caagacgagg	gcctcattga	3060
ttcacttcca	gaagtgtgc	acttctgaag	aacaaggatg	cactaaagtt	agcaagttta	3120
taataaagtt	aaatataaat	tattttgttt	taaaatgcct	caaatttttc	tttattctaa	3180
gcagcaaaaa	ttaaaataag	aatatttcct	gctaaatgta	accatacact	ttattccaca	3240

aaatgttatt	taacaagact	gaggggttttt	tttaagaaaa	aattatttcc	atccaatatt	3300
taaagacttg	aatttttattt	aaacttgaaa	atgactttgc	cttaactttt	gtataagaca	3360
gcttagagtc	catggagccc	ggccctgggt	tggcgtgagt	gggtcagagt	tactcagtta	3420
ctgcgtggat	ctcctgtcgc	tagttttact	gagtaagcat	actgtagtac	aagagctagt	3480
agtagttttt	gtaatatacc	ttaaagatct	tcaacagttg	atcttttttc	agaatgttgg	3540
aaaatcctgt	aaatgcaaat	agtcaatact	gtattaaata	cgtgcacttg	gagtgtgctt	3600
cgcttgtaca	gttgtaaata	atcagaacat	atgaaaaagg	taccctacag	agaaaattct	3660
gatacagatt	attgatatat	tataaatgtt	gctgttgagc	gggatgtaga	taaactaaat	3720
gttggtggtt	gaatattatt	ttgatttggt	gagattttct	tttttctctt	acatcgggtg	3780
gttgaactga	ttctgcctct	ttgctgcaaa	aggggaattgg	aaagtcttat	taaaagcctc	3840
cagatgtttt	catactcttt	taaaatgtat	gtaaatgcat	actaatcata	tctaattgtga	3900
aagagtttta	aagtatatag	agagcaaaaa	ctggcaggat	cgtaagtga	ggtgactagt	3960
aatctaattt	aatcacctg	cagctaagca	tgattgacct	tgccagagga	aaacatgcct	4020
atttgacct	ttccttttaa	gcagttgcca	ttattcaaat	acagagaaat	agccacaggg	4080
ctagtgtttt	tcaaatgcat	tttaaagaac	atggggattt	ttttttgtag	ttgtcagttc	4140
actgaccaa	aaaaaaaaa	aatcagaaa	taattgatct	gtgaaacca	aactctcaat	4200
actcagaaag	ctgggaggca	acctcgaggc	ctgggcctac	gagctgcac	ttcgctacgg	4260
aagggccagg	gcgccatcag	ccattcccaa	aacacaaggc	ctgcccgctc	gccagtgagt	4320
ccttggtttt	taataatgag	aagtcctttc	ccccaagggt	tgagcattgc	agcgcagtgt	4380
gtgtgtgtgg	ttagagccag	cttagtcctt	cactttgtcg	accgaagtgg	gagctcaaca	4440
gctgcatgag	gagggcagcg	cgtgcattag	ccagtcgcca	ctggagggtc	ctgctgcctt	4500
ccggtcaata	cactgtagtt	actgcctagc	cagcagcagt	cttctgcac	aagaactgaa	4560
accttgctcg	gaggtgattt	ttatagcatc	ctttttaatt	aaagggtgaa	tacagattgc	4620
tatataatgt	ctgaaaaaac	ctgatactac	ttcaagagtt	tctgctcaga	agaaaatgag	4680
agttatcata	ataggaagct	gtggcggtcc	atgccaaactg	tgctgtgtca	catacagcga	4740
tgagagtggc	tttcatactt	tttttttttt	taagttaaca	ccctccttta	ccccagcag	4800
tatctcaggt	tatagaatca	gagatgcagc	agtgacaaat	ggcattttta	cttgtaaaat	4860
cgtgtgatga	tgcttatcat	tttgaaatag	aagaataaaa	acctggtccc	gtttcaccag	4920
acatgaattt	caagtggagt	cgtcgtttct	tgagagttag	tgtcttgaca	ttttcaccca	4980
ggccctcctg	tcatcacatc	accggtgtgc	actggcggtt	ggccgtaaac	gtcctgcgtt	5040
gctatattag	gatctctgca	gttcaggctt	caaaaccagt	tcagtgtatc	cgggcgacgg	5100
gtagtggtgg	tgcatgcctg	tctgtgtgcc	ccgctggcga	gctgtagttg	cggcttgctg	5160
gcctcgcggc	ccactacagg	gctgcagaca	atcgaggcga	gggcgctggc	cgccagcagc	5220
tcacagcgcg	ggggtcatgt	ggtcgctcct	cgagggtttc	gtttttgttc	tgcttcatta	5280
agactggaat	caagcttaca	tgtaaactat	tggtaattta	agtttccttt	tgtgtcattc	5340
agtgtaaaac	tgtctaattt	gaaaaaaaaa	gtagggttatg	aaaataaaga	tttaggcact	5400
gttc						5404

<210> 352  
 <211> 4121  
 <212> DNA  
 <213> Homo sapiens

<400> 352	acaatgtggt	cccgaagcgg	ccagcgccgg	gagctgcagc	gctgagaccc	ccagcccggc	60
	ccctcgggct	cccggccggg	gccccatcat	gttctccagg	aagaaacgag	agctcatgaa	120
	aacccttcc	atctcgaaaa	agaaccgcgc	gggaagcccc	agcccgcagc	cctcggggga	180
	gctgcccagg	aaggatgggg	ctgacgcggg	gttccccgga	ccaagcctgg	agccgcccgc	240
	tgggtcctcc	ggcgtcaagg	ccacagggac	cctcaagcgg	cccaccagcc	tgagccgcca	300
	cgccagcgcg	gctggcttcc	ccctgtcggg	tgctgcctcc	tggacactgg	gccggagcca	360
	ccggagccca	ctgacagccg	ccagcccggg	cgagctgccc	accgaggggtg	ccggcccggga	420

cgctcgtcgag	gacatctccc	atctgctggc	ggacgtggcc	cgcttcgctg	agggccttga	480
gaaacttaag	gagtgtgtgt	tgcgtgacga	cctccttgag	gcccgcgcgc	cgcgggccca	540
cgagtgcctg	ggtgaggctc	tgcgtgtcat	gcatcagatc	atctccaagt	acccgctgct	600
gaacaccgtg	gagacgctca	ccgcagcccg	caccttcatt	gccaagggtca	aagccttcca	660
ttatgagagc	aacaatgatc	tggagaaaca	ggagttcgag	aaggccctgg	agacgattgc	720
tgtggccttc	agtagcacag	tgtccgagtt	cctcatgggt	gaagtggaca	gcagcacctt	780
cctagcagtg	cctcctgggg	actcgagcca	gtccatggaa	agcctgtatg	gaccgggcag	840
tgagggcacg	cctcccagcc	tggaagactg	tgacgcgcgc	tgcttgcctg	ccgaggaggt	900
ggacgtgctg	ctacagcgct	gtgagggggg	cgtggatgcc	gcactgctgt	atgccaaaga	960
catggccaag	tacatgaagg	acctcatcag	ctacctggag	aagcggacga	cgctggagat	1020
ggagtttgcc	aagggcctgc	agaagatcgc	tcacaactgc	agacagagcg	tcatgcagga	1080
gccccacatg	ccgtcctctg	ccatctactc	gctggccctg	gagcaggacc	tgaggttcgg	1140
ccacagcatg	gtgcaggcgg	tgggcacctt	gcagaccag	accttcatgc	agccccctgac	1200
cctgcggcgg	cttgaacacg	agaagcgcag	gaaggagatc	aaggaggcct	ggcacctgtc	1260
ccagaggaag	ctgcaagagg	cggagtccaa	cctgcgcaag	gccaagcagg	gttacgtgca	1320
gcgctgcgag	gaccacgaca	aggctcgcct	cctcgtggcc	aaggcggagg	aggagcaggc	1380
tggcagcgcg	ccgggagcag	gcagcacggc	caccaagacc	ctggacaagc	ggcgggcggt	1440
ggaggaggag	gccaagaaca	aggcggagga	agctatggcc	acctaccgca	cctgcgtggc	1500
cgacgcgaag	acgcagaagc	aggagctgga	ggataccaag	gtgacggcgc	tgcggcagat	1560
ccaggaggctc	atccggcaga	gcgaccaaac	catcaagtgc	gccacgatct	cctactacca	1620
gatgatgcat	atgcagacgg	cgcgcgtgcc	cgtgcacttc	cagatgctgt	gtgagagcag	1680
caagctgtat	gacccaggcc	agcagtacgc	ctcccacgtg	cgccagctgc	agcgggacca	1740
ggagcccgat	gtgactacg	actttgagcc	ccacgtctcc	gccaacgcct	ggtccccctg	1800
catgcgtgcc	cggaagagca	gcttcaacgt	gagtgatgtg	gcgcggcccg	aggctgccgg	1860
gagcccccca	gaagaaggcg	ggtgcactga	gggcacacct	gccaaggacc	acagggcccg	1920
gcgaggacac	caggttcaca	agtcatggcc	gctctcgatc	tcagactcgg	acagtgggct	1980
ggaccccggc	cctggcgag	gggactttta	gaagttcgag	cggacgtcat	ccagtgggtac	2040
catgtcgtcc	acggaggagc	tgggtggacc	agacgggtga	gccggggctt	cagcctttga	2100
gcaggctgac	ctcaacggca	tgacccccga	gctgcgggtg	gccgtgccc	gtggaccgtt	2160
ccgccacgag	gggctgtcca	aggcggcccg	tactcacggg	ctccggaagc	tccgcacgcc	2220
cgccaagtgc	cgcgagtgc	acagctacgt	ctacttccag	ggtgctgagt	gtgaagagtg	2280
ctgcctggcc	tgccacaaga	aatgtctgga	gacgctggcc	atacagtgcg	ggcacaagaa	2340
gctgcaaggc	cgcttgcagc	tgttcggcca	ggacttcagc	cacgcggccc	gcagcgcccc	2400
cgacggcgctg	cccttcatcg	tcaagaagtg	cgtctgcgag	atcgagcggc	gggcgctgcg	2460
caccaagggc	atctaccggg	tcaatggggt	aaagacacgc	gtggagaagc	tgtgccaggc	2520
cttcgagaac	ggcaaggagc	tggctgagct	gtcgcaggcc	tcgccccacg	acatcagcaa	2580
cgctctcaag	ctctacctgc	gtcagcttcc	cgagccgctc	atctccttcc	gcctctacca	2640
cgagctcgta	gggctggcca	aggacagcct	gaaggcagag	gccgaggcca	aggcggcgct	2700
ccggggccgg	caggacggct	cggagagcga	ggcagtggcg	gtggccctgg	caggctcggt	2760
gcggggagctc	ctgcgggacc	tgccgcctga	gaaccggggc	tcgctgcagt	acctgctgcg	2820
tcacctacgc	aggatcgtgg	aggtggagca	ggacaacaag	atgacccccg	ggaacctggg	2880
catcgtgttc	gggcccacgc	tgttccggcc	acggcccacc	gaggccaccg	tgtccctctc	2940
ctccctggtg	gattatcccc	atcaggcccg	cgtcatcgag	actctcatcg	tccactacgg	3000
cctggtcttc	gaggaggagc	cggaggagac	ccccgggggc	caggacgagt	catccaacca	3060
gcgagctgag	gtagtcgtcc	aggtgccgta	cctggaggcg	ggcgaggcgg	tggctctacc	3120
gctgcaggag	gcggcgggcg	acgggtgcag	agaatcccga	gttgtgtcca	acgattcgga	3180
ctcggaccta	gaggaggcct	ccgagctgct	gtcctcatcg	gaggccagtg	ccctgggcca	3240

cctcagcttc	ctggagcagc	agcagagcga	ggccagccta	gaggtggctt	ctggcagcca	3300
cagcggcagt	gaggagcagc	tggaggccac	agcccgggag	gacggggacg	gggacgagga	3360
cggcccggcc	cagcagctct	caggattcaa	caccaaccag	tccaacaacg	tgctgcaggc	3420
cccactgccc	cccatgaggc	tccgtggcgg	gcggatgaca	ctgggctcct	gcagggaaag	3480
gcagccggaa	ttcgtgtgag	ctgggggtggg	gctgggacca	caggtggctt	ctctcttgcc	3540
tgctcctgtc	cctccagcac	gtcccctgca	ccacggcata	gcttaggtgc	gccgtcctgg	3600
ggtcgtgcc	gagagcgcct	ggacttcgac	gtcccaccag	cgggcgcctc	ctcccagagg	3660
cttcaggag	cacgagggcc	ttgcggcaca	ggactgtgcc	ctgtgctgtc	ccctgcaccc	3720
cggctcagct	gagctgggga	acactgctgt	cgtgtgaagt	cacagtggcc	ttgttggtgc	3780
ccacagggt	gtgtggatgg	aggaagctgt	ccctgccag	tgcatcccc	aggtcatcac	3840
ggggacgcag	gaggcaggcc	ctgccctgcc	ctctcctcac	aggtctgttg	cagggactcc	3900
agaaaccatt	ctgggagccg	tggatggggg	cggagctggg	gtttggtgca	gtttccaggg	3960
tgagtacag	cagggcctga	atactggccc	tggactccct	tttccagaac	accaggtgtg	4020
gccacctggg	gctcaggtac	acagtggggg	ctctcggaag	ccaccgtgtg	gttctttcac	4080
aggcacgttt	attttgctga	aataaaaagt	ttttaatcgg	g		4121

<210> 353  
 <211> 4792  
 <212> DNA  
 <213> Homo sapiens

<400> 353						
ggaccaccca	gtaccgatcc	cttcacgacc	gtcaccatgg	aagtgtcacc	attgcagcct	60
gtaaatgaaa	atatgcaagt	caacaaaata	aagaaaaatg	aagatgctaa	gaaaagactg	120
tctgttgaaa	gaatctatca	aaagaaaaca	caattggaac	atattttgct	ccgccagac	180
acctacattg	gttctgtgga	attagtgacc	cagcaaatgt	gggtttacga	tgaagatggt	240
ggcattaact	ataggggaagt	cacttttgtt	cctggtttgt	acaaaatctt	tgatgagatt	300
ctagttaatg	ctgcggacaa	caaacaaagg	gacccaaaaa	tgtcttgat	tagagtcaca	360
attgatccgg	aaaacaatth	aattagtata	tggataaatg	gaaaagggtat	tctgtttgtt	420
gaacacaaaag	ttgaaaagat	gtatgtccca	gctctcatat	ttggacagct	cctaacttct	480
agtaactatg	atgatgatga	aaagaaagtg	acaggtggtc	gaaatggcta	tggagccaaa	540
ttgtgtaaca	tattcagtag	caaatttact	gtggaaacag	ccagtagaga	atacaagaaa	600
atgttcaaac	agacatggat	ggataaatatg	ggaagagctg	gtgagatgga	actcaagccc	660
ttcaatggag	aagattatac	atgtatcacc	tttcagcctg	atttgtctaa	gtttaaaatg	720
caaagcctgg	acaaagatat	tggtgcacta	atggtcagaa	gagcatatga	tattgctgga	780
tccaccaaaag	atgtcaaagt	ctttcttaat	ggaaataaac	tgccagtaaa	aggatttcgt	840
agttatgtgg	acatgtatth	gaaggacaag	ttggatgaaa	ctggtaactc	cttgaaagta	900
atacatgaac	aagtaaacca	caggtgggaa	gtgtgtttta	ctatgagtga	aaaaggctth	960
cagcaaatta	gctttgtcaa	cagcattgct	acatccaagg	gtggcagaca	tggtgattat	1020
gtagctgata	agattgtgac	taaacttggt	gatgttgtga	agaagaagaa	caaggggtgg	1080
gttgtagtaa	aagcacatca	ggtgaaaaat	cacatgtgga	tttttgtaaa	tgctttaatt	1140
gaaaacccaa	cctttgactc	tcagacaaaa	gaaaacatga	ctttacaacc	caagagctth	1200
ggatcaacat	gccaattgag	tgaaaaatth	atcaaagctg	ccattggctg	tggtattgta	1260
gaaagcatac	taaactgggt	gaagtttaag	gcccaagtcc	agttaaacaa	gaagtgttca	1320
gctgtaaaac	ataatagaat	caagggaatt	cccaaactcg	atgatgccaa	tgatgcaggg	1380
ggccgaaact	ccactgagtg	tacgcttata	ctgactgagg	gagattcagc	caaaactttg	1440
gctgtttcag	gccttggtgt	ggttgggaga	gacaaatatg	gggttttccc	tcttagagga	1500
aaaatactca	atgttcgaga	agcttctcat	aagcagatca	tggaaaatgc	tgagattaac	1560
aatatcatca	agattgtggg	tcttcagtag	aagaaaaact	atgaagatga	agattcattg	1620
aagacgcttc	gttatgggaa	gataatgatt	atgacagatc	aggaccaaga	tggttcccac	1680
atcaaaggct	tgctgattaa	ttttatccat	cacaactggc	cctctcttct	gcgacatcgt	1740

tttctggagg	aatttatcac	tcccattgta	aaggatatcta	aaaacaagca	agaaatggca	1800
ttttacagcc	ttcctgaatt	tgaagagtgg	aagagttcta	ctccaaatca	taaaaaatgg	1860
aaagtcaaat	attacaaagg	tttgggcacc	agcacatcaa	aggaagctaa	agaatacttt	1920
gcagatatga	aaagacatcg	tatccagttc	aaatattctg	gtcctgaaga	tgatgctgct	1980
atcagcctgg	ccttttagcaa	aaaacagata	gatgatcgaa	aggaatgggt	aactaatttc	2040
atggaggata	gaagacaacg	aaagtacttt	gggcttcctg	aggattactt	gtatggacaa	2100
actaccacat	atctgacata	taatgacttc	atcaacaagg	aacttatctt	gttctcaaat	2160
tctgataacg	agagatctat	cccttctatg	gtggatgggt	tgaaaccagg	tcagagaaag	2220
gttttgttta	cttgcttcaa	acggaatgac	aagcgagaag	taaagggtgc	ccaattagct	2280
ggatcagtgg	ctgaaatgtc	ttcttatcat	catggtgaga	tgctactaat	gatgaccatt	2340
atcaatttgg	ctcagaattt	tgtgggtagc	aataatctaa	acctcttgca	gcccattgggt	2400
cagtttggtg	ccaggctaca	tgggtggcaag	gattctgcta	gtccacgata	catctttaca	2460
atgctcagct	ctttggctcg	attgttattt	ccaccaaagg	atgatcacac	gttgaagttt	2520
ttatatgatg	acaaccagcg	tgttgagcct	gaatggtaca	ttcctattat	tcccatgggtg	2580
ctgataaatg	gtgctgaagg	aatcggtact	gggtggtcct	gcaaaatccc	caactttgat	2640
gtgcgtgaaa	ttgtaaataa	catcaggcgt	ttgatggatg	gagaagaacc	tttgccaatg	2700
cttccaagtt	acaagaactt	caagggtact	attgaagaac	tggctccaaa	tcaatatgtg	2760
attagtgggtg	aagtagctat	tcttaattct	acaaccattg	aaatctcaga	gcttcccgtc	2820
agaacatgga	cccagacata	caaagaacaa	gttctagaac	ccatggtgaa	tggcaccgag	2880
aagacacctc	ctctcataac	agactatagg	gaataccata	cagataccac	tgtgaaattt	2940
gttggtgaaga	tgactgaaga	aaaactggca	gaggcagaga	gagttggact	acacaaagtc	3000
ttcaaaactcc	aaactagtct	cacatgcaac	tctatggtgc	tttttgacca	cgtaggctgt	3060
ttaaagaaat	atgacacggt	gttggtatatt	ctaagagact	tttttgaact	cagacttaaa	3120
tattatggat	taagaaaaga	atggctccta	ggaatgcttg	gtgctgaatc	tgctaaactg	3180
aataatcagg	ctcgctttat	cttagagaaa	atagatggca	aaataatcat	tgaaaataag	3240
cctaagaaaag	aattaattaa	agttctgatt	cagaggggat	atgattcgga	tctgtgaag	3300
gcctggaaaag	aagcccagca	aaagggtcca	gatgaagaag	aaaatgaaga	gagtgacaac	3360
gaaaaggaaa	ctgaaaagag	tgactccgta	acagattctg	gaccaacctt	caactatctt	3420
cttgatatgc	ccctttggta	tttaaccaag	gaaaagaaag	atgaactctg	caggctaaga	3480
aatgaaaaag	aacaagagct	ggacacatta	aaaagaaaga	gtccatcaga	tttgtggaaa	3540
gaagacttgg	ctacatttat	tgaagaattg	gaggctgttg	aagccaagga	aaaacaagat	3600
gaacaagtcg	gacttcctgg	gaaagggggg	aaggccaagg	ggaaaaaac	acaaatggct	3660
gaagttttgc	cttctccgcg	tgggtcaaaga	gtcattccac	gaataaccat	agaaatgaaa	3720
gcagaggcag	aaaagaaaaa	taaaaagaaa	attaagaatg	aaaatactga	aggaagccct	3780
caagaagatg	gtgtggaact	agaaggccta	aaacaaagat	tagaaaagaa	acagaaaaga	3840
gaaccaggta	caaagacaaa	gaaacaaact	acattggcat	ttaagccaat	caaaaaagga	3900
aagaagagaa	atccctggcc	tgattcagaa	tcagatagga	gcagtgacga	aagtaatttt	3960
gatgtccctc	cacgagaaac	agagccacgg	agagcagcaa	caaaaacaaa	attcacaatg	4020
gatttggatt	cagatgaaga	tttctcagat	tttgatgaaa	aaactgatga	tgaagatttt	4080
gtcccatcag	atgctagtcc	acctaagacc	aaaacttccc	caaaacttag	taacaaagaa	4140
ctgaaaccac	agaaaagtgt	cgtgtcagac	cttgaagctg	atgatgttaa	gggcagtgtg	4200
ccactgtctt	caagccctcc	tgctacacat	ttcccagatg	aaactgaaat	tacaaaccca	4260
gttcctaaaa	agaatgtgac	agtgaagaag	acagcagcaa	aaagtcagtc	ttccacctcc	4320
actaccggtg	ccaaaaaaag	ggctgcccc	aaaggaacta	aaagggatcc	agctttgaat	4380
tctggtgtct	ctcaaaagcc	tgatcctgcc	aaaaccaaga	atcgccgcaa	aaggaagcca	4440
tccacttctg	atgattctga	ctctaatttt	gagaaaattg	tttcgaaagc	agtcacaagc	4500
aagaaatcca	agggggagag	tgatgacttc	catatggact	ttgactcagc	tgtgggtcct	4560
cgggcacaaat	ctgtacgggc	aaagaaacct	ataaagtacc	tggaagagtc	agatgaagat	4620



gatctgtttt	aaaatgtgag	gcgattat	taagtaatta	tcttaccaag	cccaagactg	4680
gttttaaaagt	tacctaagc	tcttaacttc	ctccccctctg	aatttagttt	ggggaagggtg	4740
tttttagtac	aagacatcaa	agtgaagtaa	agcccaagtg	ttcttttagct	tt	4792

<210> 354  
 <211> 1685  
 <212> DNA  
 <213> Homo sapiens

<400> 354	gagtagctgc	tttcgggtccg	ccggacacac	cggacagata	gacgtgcgga	cggcccacca	60
	ccccagcccc	ccaactagtc	agcctgcgcc	tggcgctcc	cctctccagg	tccatccgcc	120
	atgtggcccc	tgtggcgctt	cgtgtctctg	ctggccctga	gccaggccct	gccctttgag	180
	cagagaggct	tctgggactt	caccctggac	gatgggcat	tcatgatgaa	cgatgaggaa	240
	gcttcggggc	ctgacacctc	aggcgtcctg	gaccggact	ctgtcacacc	cacctacagc	300
	gccatgtgtc	ctttcggctg	ccactgccac	ctgcgggtgg	ttcagtgtct	cgacctgggt	360
	ctgaagtctg	tgcccaaaga	gatctcccct	gacaccacgc	tgctggacct	gcagaacaac	420
	gacatctccg	agctccgcaa	ggatgacttc	aagggtctcc	agcacctcta	cgccctcgct	480
	ctgggtgaaca	acaagatctc	caagatccat	gagaaggcct	tcagcccact	gcggaagctg	540
	cagaagctct	acatctccaa	gaaccacctg	gtggagatcc	cgcccaacct	accagctcc	600
	ctgggtggagc	tccgcatcca	cgacaaccgc	atccgcaagg	tgcccaaggg	agtgttcagc	660
	gggctccgga	acatgaactg	catcgagatg	ggcgggaacc	caactggagaa	cagtggcttt	720
	gaacctggag	ccttcgatgg	cctgaagctc	aactacctgc	gcattctcaga	ggccaagctg	780
	actggcatcc	ccaaagacct	ccctgagacc	ctgaatgaac	tccacctaga	ccacaacaaa	840
	atccaggcca	tcgaactgga	ggacctgctt	cgctactcca	agctgtacag	gctgggccta	900
	ggccacaacc	agatcaggat	gatcgagaac	gggagcctga	gcttcctgcc	cacctccgg	960
	gagctccact	tggacaacaa	caagttggcc	aggggtgcct	cagggtccc	agacctcaag	1020
	ctcctccagg	tggctctatct	gcactccaac	aacatcacca	aagtgggtgt	caacgacttc	1080
	tgtcccatgg	gcttcggggg	gaagcggggc	tactacaacg	gcattcagcct	cttcaacaac	1140
	cccgtgccct	actgggaggt	gcagccggcc	actttccgct	gcgtcactga	ccgcctggcc	1200
	atccagtttg	gcaactacaa	aaagtagagg	cagctgcagc	caccgcgggg	cctcagtggg	1260
	ggtctctggg	gaacacagcc	agacatcctg	atggggaggc	agagccagga	agctaagcca	1320
	gggcccagct	gcgtccaacc	cagcccccca	cctcaggtcc	ctgaccccag	ctcgatgccc	1380
	catcaccgcc	tctccctggc	tcccaagggt	gcaggtgggc	gcaaggcccc	gcccccatca	1440
	catgttccct	tggcctcaga	gctgcccctg	ctctcccacc	acagccaccc	agaggcacc	1500
	catgaagctt	ttttctcggt	cactcccaaa	cccaagtgtc	caaagctcca	gtcctaggag	1560
	aacagtcctt	gggtcagcag	ccaggaggcg	gtccataaga	atggggacag	tgggctctgc	1620
	cagggtgcc	gcacctgtcc	agaacaacat	gttctgttcc	tcctcctcat	gcatttccag	1680
	ccttg						1685

<210> 355  
 <211> 2334  
 <212> DNA  
 <213> Homo sapiens

<400> 355	agacacctct	gccctcacca	tgagcctctg	gcagcccctg	gtcctgggtgc	tcttgggtgct	60
	gggctgctgc	tttgcgtccc	ccagacagcg	ccagtcaccc	cttgcgtctct	tccctggaga	120
	cctgagaacc	aatctcaccg	acaggcagct	ggcagaggaa	tacctgtacc	gctatggtta	180
	cactcgggtg	gcagagatgc	gtggagagtc	gaaatctctg	gggcctgcgc	tgctgcttct	240
	ccagaagcaa	ctgtccctgc	ccgagaccgg	tgagctggat	agcgccacgc	tgaaggccat	300
	gcgaacccca	cgggtgcgggg	tcccagacct	gggcagattc	caaacctttg	agggcgacct	360
	caagtggcac	caccacaaca	tcacctattg	gatccaaaac	tactcggaag	acttgccgcg	420
	ggcgggtgatt	gacgacgcct	ttgcccgcgc	cttcgcactg	tggagcgcg	tgacgcgcgt	480

caccttcact	cgcgtgtaca	gccggggacgc	agacatcgtc	atccagtttg	gtgtcgcgga	540
gcacggagac	gggtatccct	tcgacgggaa	ggacgggctc	ctggcacacg	cctttcctcc	600
tggccccggc	attcagggag	acgcccattt	cgacgatgac	gagttgtggt	ccctgggcaa	660
gggcgtcgtg	gttccaactc	ggtttggaaa	cgcagatggc	gcggcctgcc	acttccccctt	720
catcttcgag	ggcgcgtcct	actctgcctg	caccaccgac	ggtcgctccg	acggcttgcc	780
ctggtgcagt	accacggcca	actacgacac	cgacgaccgg	tttggtttct	gccccagcga	840
gagactctac	acccgggacg	gcaatgctga	tgggaaacct	tgccagtttc	cattcatctt	900
ccaaggccaa	tcctactccg	cctgcaccac	ggacggtcgc	tccgacggct	accgctggtg	960
cgccaccacc	gccaactacg	accgggacaa	gctcttcggc	ttctgcccga	cccagactga	1020
ctcgacggtg	atggggggca	actcggcggg	ggagctgtgc	gtcttccccct	tactttcct	1080
gggtaaggag	tactcgacct	gtaccagcga	gggccgcgga	gatgggcgcc	tctggtgcgc	1140
taccacctcg	aactttgaca	gcgacaagaa	gtggggcttc	tgccccgacc	aaggatacac	1200
tttgttcctc	gtggcggcgc	atgagttcgg	ccacgcgctg	ggcttagatc	attcctcagt	1260
gccggaggcg	ctcatgtacc	ctatgtaccg	cttcaactgag	gggccccct	tgcataagga	1320
cgacgtgaat	ggcatcggc	actctatgg	tcctcgccct	gaacctgagc	cacggcctcc	1380
aaccaccacc	acaccgcgc	ccacggctcc	cccgcggtc	tgccccaccg	gacccccac	1440
tgtccacccc	tcagagcgcc	ccacagctgg	ccccacaggt	ccccctcag	ctggccccac	1500
aggcccccc	actgctggcc	cttctacggc	cactactgtg	cctttgagtc	cggtggaaga	1560
tgccctgaac	gtgaacatct	tcgacgccat	cgcggagatt	gggaaccagc	tgtatttgtt	1620
caaggatggg	aagtactggc	gattctctga	gggcaggggg	agccggccgc	agggccccctt	1680
ccttatcgcc	gacaagtggc	cgcgcgtgcc	ccgcaagctg	gactcggctc	ttgaggagcc	1740
gctctccaag	aagcttttct	tcttctctgg	gcgccaggtg	tgggtgtaca	caggcgcgctc	1800
ggtgctgggc	ccgaggcgtc	tggacaagct	gggcctggga	gccgacgtgg	cccaggtgac	1860
cggggccctc	cggagtggca	gggggaagat	gctgctgttc	agcgggcggc	gcctctggag	1920
gttcgacgtg	aaggcgcaga	tggatgatcc	ccggagcgcc	agcgaggtgg	accggatgtt	1980
ccccggggtg	cctttggaca	cgcacgacgt	cttccagtac	cgagagaaaag	cctatttctg	2040
ccaggaccgc	ttctactggc	gcgtgagttc	ccggagtgag	ttgaaccagg	tggaccaagt	2100
gggctacgtg	acctatgaca	tcctgcagtg	ccctgaggac	tagggctccc	gtcctgcttt	2160
gcagtgccat	gtaaatcccc	actgggacca	accctgggga	aggagccagt	ttgccggata	2220
caaactggta	ttctgttctg	gaggaaaagg	aggagtggag	gtgggctggg	ccctctcttc	2280
tcacctttgt	ttttttgttgg	agtgtttcta	ataaacttgg	attctctaac	cttt	2334

```
<210> 356
<211> 3220
<212> DNA
<213> Homo sapiens
```

<400>	356						
gagctgtccc	cggtgccgcc	gacccggggcc	gtgccgtgtg	cccgtggctc	cagccgctgc		60
cgctctgata	tctctgtctc	ccgctccgcc	ctcccttttc	cctggatgaa	cttgcgctct		120
ttctcttctc	cgccatggaa	ttctgctccg	tgtttttagc	cctcctgagc	caaagaaacc		180
ccagacaaca	gatgcccata	cgcagcgtat	agcagtaact	cccagctcg	gtttctgtgc		240
cgtagtttac	agtatttaat	tttatataat	atatattatt	tattatagca	tttttgatac		300
ctcatattct	gtttacacat	cttgaaaggc	gctcagtagt	tctcttacta	aacaaccact		360
actccagaga	atggcaacgc	tgattaccag	tactacagct	gctaccgccg	cttctggctc		420
tttggtgga	tacctatgga	tgtctatcct	gggcttcatt	attgcatttg	tcttggcatt		480
ctccgtggga	gccaatgatg	tagcaaattc	ttttggtaca	gctgtgggct	caggtgtagt		540
gaccctgaag	caagcctgca	tcctagctag	catctttgaa	acagtgggct	ctgtcttact		600
ggggggccaaa	gtgagcgaaa	ccatccggaa	gggcttgatt	gacgtggaga	tgtacaactc		660
gactcaaggg	ctactgatgg	ccggctcagt	cagtgtatg	tttggttctg	ctgtgtggca		720
actcgtggct	tcgtttttga	agctccctat	ttctqgaacc	cattgtattg	ttggtgcaac		780

tattggtttc	tcctcgtgg	caaaggggca	ggagggtgtc	aagtgggtctg	aactgataaa	840
aattgtgatg	tcttggttcg	tgtccccact	gctttctgga	attatgtctg	gaattttatt	900
cttctgggtt	cgtgcattca	tcctccataa	ggcagatcca	gttcctaata	gtttgcgagc	960
tttgccagtt	ttctatgcct	gcacagttgg	aataaacctc	ttttccatca	tgtatactgg	1020
agcaccgttg	ctgggctttg	acaaacttcc	tctgtggggg	accatcctca	tctcgggtgg	1080
atgtgcagtt	ttctgtgccc	ttatcgtctg	gttctttgta	tgtcccagga	tgaagagaaa	1140
aattgaacga	gaaataaaagt	gtagtccttc	tgaaagcccc	ttaatggaaa	aaaagaatag	1200
cttgaaagaa	gaccatgaag	aaacaaagtt	gtctgttggg	gatattgaaa	acaagcatcc	1260
tgtttctgag	gtagggcctg	ccactgtgcc	cctccaggct	gtgggtggagg	agagaacagt	1320
ctcattcaaa	cttggagatt	tggaggaagc	tccagagaga	gagaggcttc	ccagcgtgga	1380
cttgaaagag	gaaaccagca	tagatagcac	cgtgaatggg	gcagtgcagt	tgccaatagg	1440
gaaccttgtc	cagttcagtc	aagccgtcag	caaccaaata	aactccagtg	gccactccca	1500
gtatcacacc	gtgcataagg	attccggcct	gtacaaagag	ctactccata	aattacatct	1560
tgccaagggtg	ggagattgca	tgggagactc	cggtgacaaa	cccttaaggc	gcaataatag	1620
ctatacttcc	tataccatgg	caatatgtgg	catgcctctg	gattcattcc	gtgccaaaga	1680
aggtgaacag	aagggcgaag	aaatggagaa	gctgacatgg	cctaatgcag	actccaagaa	1740
gcgaattcga	atggacagtt	acaccagtta	ctgcaatgct	gtgtctgacc	ttcactcagc	1800
atctgagata	gacatgagtg	tcaaggcagc	gatgggtcta	ggtgacagaa	aaggaagtaa	1860
tggctctcta	gaagaatggg	atgaccagga	taagcctgaa	gtctctctcc	tcttccagtt	1920
cctgcagatc	cttacagcct	gctttgggtc	attcgcccat	ggtggcaatg	acgtaagcaa	1980
tgccattggg	cctctggttg	ctttatattt	ggtttatgac	acaggagatg	tttcttcaaa	2040
agtggcaaca	ccaatatggc	ttctactcta	tgggtggtgt	ggtatctgtg	ttgggtctgtg	2100
ggtttgggga	agaagagtta	tccagaccat	ggggaaggat	ctgacaccga	tcacaccctc	2160
tagtggcttc	agtattgaac	tggcatctgc	cctcactgtg	gtgattgcat	caaataattgg	2220
ccttcccatc	agtacaacac	attgtaaagt	gggctctgtt	gtgtctgttg	gctggctccg	2280
gtccaagaag	gctgttgact	ggcgtctctt	tcgtaacatt	tttatggcct	ggtttgtcac	2340
agtccccatt	tctggagtta	tcagtgtctg	catcatggca	atcttcagat	atgtcatcct	2400
cagaatgtga	agctgtttga	gattaaaatt	tgtgtcaatg	tttgggacca	tcttaggtat	2460
tctgtctccc	ctgaagaatg	attacagtgt	taacagaaga	ctgacaagag	tctttttatt	2520
tgggagcaga	ggaggggaagt	gttacttgtg	ctataactgc	ttttgtgcta	aatatgaatt	2580
gtctcaaaat	tagctgtgta	aaatagcccc	ggttccactg	gctcctgctg	aggtcccctt	2640
tccttctggg	ctgtgaattc	ctgtacatat	ttctctactt	tttgatcag	gcttcaattc	2700
cattatgttt	taatgttgct	tctgaagatg	acttgtgatt	tttttttctt	ttttttaaac	2760
catgaagagc	cgtttgacag	agcatgtctt	gcgttggttg	tttcaccagc	ttctgccttc	2820
acatgcacag	ggatttaaca	acaaaaatat	aactacaact	tcccttgtag	tctcttatat	2880
aagtagagtc	cttggtagtc	tgccctcctg	tcagttagtg	caggatctat	tggcatattc	2940
gggagcttct	tagagggatg	aggttctttg	aacacagtga	aaatttaaat	tagtaacttt	3000
tttgcaagca	gtttattgac	tgttattgct	aagaagaagt	aagaaagaaa	aagcctgttg	3060
gcaatcttgg	ttatttcttt	aagatttctg	gcagtgtggg	atggatgaat	gaagtggaat	3120
gtgaactttg	ggcaagttaa	atgggacagc	cttccatggt	catttgtcta	cctcttaact	3180
gaataaaaaa	gcctacagtt	tttagaaaaa	accgaatttc			3220

<210> 357  
 <211> 835  
 <212> DNA  
 <213> Homo sapiens

<400> 357	atggcgagca	gcggaggtcaa	gaacacacca	cgatggcgga	gaaaagcccc	tcattgggagg	60
	gaaaggaaa	agaaaggaaa	gaaaagaaaa	agatgtatct	ggtcaactcc	aaaaaggaga	120
	cataagaaaa	aaagcctccc	aagagagatc	attgatggca	cttcagaaat	gaatgaagga	180

aagaggtccc	agaagatgcc	tagtacacca	cgaagggtca	cacaaggggc	agcctcacct	240
gggcatggca	tccaagagaa	gctccaagt	gtggataagg	tgactcaaag	gaaagacgac	300
tcaacctgga	actcagaggt	catgatgagg	gtccaaaagg	caagaactaa	atgtgcccgga	360
aagtccagat	cgaagaaaa	gaaaaaggag	aaagatatct	gttcaagctc	aaaaaggaga	420
tttcagaaaa	atattcaccg	aagaggaaaa	cccaaaagt	acactgtgga	ttttcactgt	480
tctaagtccc	ccgtgacctg	tgggtgaggcg	aaagggattt	tatataagaa	gaaaatgaaa	540
cacggatcct	cagtgaagt	cattcggaat	gaggatggaa	cttggttaac	accaaataaa	600
tttgaagtgc	aaggaaaagg	aaggaacgca	aagaactgga	aacggaatat	acgttgtgaa	660
ggaatgaccc	taggagagct	gctgaagagt	ggacttttgc	tctgtcctcc	aagaataaat	720
ctcaagagag	agttaaatag	caagtgaatt	tctactaccc	tctcagtcac	catgttgtag	780
actttccctg	tctggaggct	caccttagag	cttctgagtt	tccaagcccg	gaatt	835

<210> 358  
 <211> 840  
 <212> DNA  
 <213> Homo sapiens

<400> 358	ccgggtgagtc	gccggcgctg	cagagggagg	cggcactggt	ctcgacgtgg	ggcggccagc	60
	gatgaagccg	cccagttcaa	tacaaacaag	tgagtttgac	tcatcagatg	aagagcctat	120
	tgaagatgaa	cagactccaa	ttcatatatc	atggctatct	ttgtcacgag	tgaattgttc	180
	tcagtttctc	ggtttatgtg	ctcttcagg	ttgtaaattt	aaagatgtta	gaagaaatgt	240
	ccaaaaagat	acagaagaac	taaagagctg	tggtatacaa	gacatatttg	ttttctgcac	300
	cagaggggaa	ctgtcaaaat	atagagtccc	aaaccttctg	gatctctacc	agcaatgtgg	360
	aattatcacc	catcatcatc	caatcgaga	tggagggact	cctgacatag	ccagctgctg	420
	tgaaataatg	gaagagctta	caacctgcct	taaaaattac	cgaaaaacct	taatacactg	480
	ctatggagga	cttgggagat	cttgtcttgt	agctgcttgt	ctcctactat	acctgtctga	540
	cacaatatca	ccagagcaag	ccatagacag	cctgcgagac	ctaagaggat	ccggggcaat	600
	acagaccatc	aagcaataca	attatcttca	tgagtttcgg	gacaaattag	ctgcacatct	660
	atcatcaaga	gattcacaa	caagatctgt	atcaagataa	aggaattcaa	atagcatata	720
	tatgaccatg	tctgaaatgt	cagttctcta	gcataatttg	tattgaaaat	gaaaccacca	780
	gtcgttatca	acttgaatgt	aaatgtacat	gtgcagatat	tcctaaagt	ccttcgtggc	840

<210> 359  
 <211> 2439  
 <212> DNA  
 <213> Homo sapiens

<400> 359	cagcaccag	ctccccgcca	ccgccatggt	ccccgacacc	gcctgcgttc	ttctgctcac	60
	cctggctgcc	ctcggcgctg	ccggacaggg	ccagagcccg	ttgggctcag	acctggggcc	120
	gcagatgctt	cgggaactgc	aggaaaccaa	cgcggcgctg	caggacgtgc	gggactggct	180
	gcggcagcag	gtcagggaga	tcacgttcct	gaaaaacacg	gtgatggagt	gtgacgcgtg	240
	cgggatgcag	cagtcagtac	gcaccggcct	accagcgtg	cggcccctgc	tccactgcgc	300
	gcccggcttc	tgcttccccg	gcgtggcctg	catccagacg	gagagcggcg	gccgctgcgg	360
	cccctgcccc	gcgggcttca	cgggcaacgg	ctcgcactgc	accgacgtca	acgagtgcaa	420
	cgcaccaccc	tgcttcccc	gagtcgctg	tatcaacacc	agcccggggt	tccgctgcga	480
	ggcttgcccc	ccgggggtaca	gcggccccc	ccaccagggc	gtggggctgg	ctttcgccaa	540
	ggccaacaag	caggtttgca	cggacatcaa	cgagtgtgag	accgggcaac	ataactgcgt	600
	ccccaactcc	gtgtgcatca	acaccggggg	ctccttcag	tgcgggccgt	gccagcccgg	660
	cttcgtgggc	gaccaggcgt	ccggctgcca	gcgcggcgca	cagcgttct	gcccgcacgg	720
	ctgcgccagc	gagtgccacg	agcatgcaga	ctgcgtccta	gagcgcgatg	gctcgcggtc	780
	gtgcgtgtgt	cgcgttggt	gggccggcaa	cgggatcctc	tgtggtcgcg	acactgacct	840
	agacggcttc	ccggacgaga	agctgcgtg	ccggagccg	cagtgccgta	aggacaactg	900
	cgtgactgtg	cccaactcag	ggcaggagga	tgtggaccgc	gatggcatcg	gagacgcctg	960

cgatccggat	gccgacgggg	acgggggtccc	caatgaaaag	gacaactgcc	cgctggtgcg	1020
gaaccacagac	cagcgcaaca	cggacggagga	caagtggggc	gatgcgtgcg	acaactgccg	1080
gtcccagaag	aacgacgacc	aaaaggacac	agaccaggac	ggccggggcg	atgcgtgcga	1140
cgacgacatc	gacggcgacc	ggatccgcaa	ccaggccgac	aactgcccta	gggtacccaa	1200
ctcagaccag	aaggacagtg	atggcgatgg	tataggggat	gcctgtgaca	actgtcccca	1260
gaagagcaac	ccggatcagg	cggatgtgga	ccacgacttt	gtgggagatg	cttgtgacag	1320
cgatcaagac	caggatggag	acggacatca	ggactctcgg	gacaactgtc	ccacggtgcc	1380
taacagtgcc	caggaggact	cagaccacga	tggccagggt	gatgcctgcg	acgacgacga	1440
cgacaatgac	ggagtccctg	acagtcggga	caactgccgc	ctggtgccta	accccggccca	1500
ggaggacgcg	gacagggacg	gcgtggggcg	cgtgtgccag	gacgactttg	atgcagacaa	1560
ggtggtagac	aagatcgacg	tgtgtccgga	gaacgctgaa	gtcacgctca	ccgacttcag	1620
ggccttccag	acagtcgtgc	tggacccgga	gggtgacgcg	cagattgacc	ccaactgggt	1680
ggtgctcaac	caggggaagg	agatcgtgca	gacaatgaac	agcgacccag	gcctggctgt	1740
gggttacact	gccttcaatg	gcgtggactt	cgagggcacg	ttccatgtga	acacggtcac	1800
ggatgacgac	tatgcgggct	tcatctttgg	ctaccaggac	agctccagct	tctacgtggt	1860
catgtggaag	cagatggagc	aaacgtattg	gcaggcgaac	cccttccgtg	ctgtggccga	1920
gcctggcatc	caactcaagg	ctgtgaagtc	ttccacaggc	cccggggaac	agctgcggaa	1980
cgctctgtgg	catacaggag	acacagagtc	ccagggtgcg	ctgctgtgga	aggacccgcg	2040
aaacgtgggt	tggaaggaca	agaagtccta	tcgttgggtc	ctgcagcacc	ggccccaagt	2100
gggctacatc	agggtgcgat	tctatgagg	ccctgagctg	gtggccgaca	gcaacgtggt	2160
cttggaacaca	accatgcggg	gtggccgcct	gggggtcttc	tgtttctccc	aggagaacat	2220
catctgggcc	aacctgcgtt	accgctgcaa	tgacaccatc	ccagaggact	atgagaccca	2280
tcagctgcgg	caagcctagg	gaccagggtg	aggacccgcc	ggatgacagc	caccctcacc	2340
gcggctggat	gggggctctg	caccacagccc	aagggggtgg	cgtcctgagg	gggaagtgag	2400
aagggtctcag	agaggacaaa	ataaagtgtg	tgtgcaggg			2439

```
<210> 360
<211> 1488
<212> DNA
<213> Homo sapiens
```

[illegible]

ggaccctccc	ctaccaagga	ccaggaaaag	cagcagctgc	ctgctctcca	gcctctggag	1200
gaactcaggg	ccctggagct	gctggggcca	agccaagggc	ctcccctacc	tcaaacccca	1260
gctggggccc	cttagccac	caggcatgag	gccaaaggctc	cactgaccag	gaggccgagg	1320
tctctaactc	ttatcttcca	caggggtccaa	gagttcatca	ggaccccca	gagtgagtga	1380
gggggcaagg	ctctggcaca	aaacctctc	ctcccaggca	ctcatttata	ttgctctgaa	1440
agagctttcc	aaagtattta	aaaataaaaa	caagttttct	tacactgg		1488

<210> 361  
 <211> 2806  
 <212> DNA  
 <213> Homo sapiens

<400> 361	ctgagatccc	agaaccatga	acctggccat	cagcatcgct	ctcctgctaa	60	
ggatccagga	gcatggggca	ggactggggc	tccaggcgcc	ctggcttcc	tccctccaga	120	
caggtaccgg	ctccctcaca	gtctcagaaa	agcgcagggtg	acaaagagag	ggctcttttt	180	
gaagcagctt	tcagccgatc	caccgcgctg	atattctgac	ggcctgaggt	ggtttttgga	240	
catcctgaag	gctgagccct	ccttcacact	attgaactag	aatccccaac	tgagaacca	300	
aacacagttt	tcaactccct	aagatctcct	gtccttgaaa	cacattgata	ggatccaagg	360	
ggaaccagca	gtggggagg	aggctgggg	ctgcaaagga	gaagtgggat	ccctgggggtg	420	
ctcaagcaga	ctcagagagc	agaccccggt	cccctcccta	gccaggccca	tctctccact	480	
gggaaaggca	gggaggcccc	tgtgccgcag	gcccctccag	tttgaaggag	gactgctgg	540	
tcaggtgggt	gcaggtctcc	cgagggcaga	aggtgaccag	cctaacggcc	tgctagtgg	600	
tgccagtctt	tcgtctggac	tgccgccatg	agaataccag	cagttcaccc	atccagtacg	660	
accagagcct	gacccgtgag	acaaagaagc	acgtgctctt	tggcactgtg	gggggtgcctg	720	
agttcagcct	ccgctcccga	accaacttca	ccagcaaata	ccacatgaag	gtcctctact	780	
agcacacata	cactagcaag	gacgagggca	cctacacgtg	tgactccac	cactctggcc	840	
tatccgcctt	catctcctcc	cagaacgtca	cagtgtctcag	aggtgagaca	agcccctaac	900	
attccccacc	gagctgggag	agccaggctc	ggggacagca	ggcagttccc	ttggctggac	960	
aaggtcaagt	aatagcccca	taacgctctc	accctctccc	aactgctgcc	tggtcaactg	1020	
tagagaggag	gccttcgggtg	tgaatgggg	gaagagctca	gggccagaca	ggcagagcag	1080	
gggaaccatt	ccagaactgt	gggcaaggcc	tttggccctt	aatcttccct	ctcccagcgg	1140	
tgtggttcca	tgacaccacc	tccctcagcc	agttttcttg	tcatgatgtt	tagtaagggtt	1200	
gaaacaggga	gatatgtgtg	caagagatca	gtaatctgca	aatgggaaag	atggctgggtt	1260	
ttcataagat	aggctgttcc	tggtcccagc	taagacattg	cagtaccac	ctcccaaagg	1320	
ctgtgagacc	ttgctttggg	cctgtgcctg	cctgagtcct	gatccgtctt	ccttccctacc	1380	
gagtacaccc	ctgcccccg	cccccttctc	tttctgcaga	caaactgggtc	aagtgtgagg	gcatcagcct	1440
ctgcccccg	aacacctcgt	ggctgctgct	gctcctgctg	tccctctccc	tccctcaggc	1500	
gctggctcag	cacggatttc	atgtccctgt	gactgggtggg	gcccattggag	gagacaggaa	gcctcaagtt	1560
cagtgacaga	gatcctactt	ctctgagtc	gctgaccccc	tccccccaat	ccctcaaacc	1620	
ccagtgcaga	gtggggaccc	cacccctcat	caggagttcc	agtgtgcat	gcgattatct	1680	
ttgaggagaa	acccacgtcc	acgcggccac	ctcaccctct	ccgcacacct	ctggctgtct	ttttgtactt	1740
acccacgtcc	tttgttccag	agctgcttct	gtctgggttta	tttaggtttt	atccttccct	ttctttgaga	1800
tttgttccag	gttcgtgaag	aggggaagcca	ggattggggga	cctgatggag	agtgagagca	tgtgaggggt	1860
gttcgtgaag	agtgggatgg	tggggtagca	gccactggag	gggtcatcct	tgcccatcgg	gaccagaaac	1920
agtgggatgg	ctgggagaga	cttgatgag	gagtgggttg	gctgtgctgg	gcctagcacg	gacatggtct	1980
ctgctgacag	gtcctgacag	cactcctcgg	caggcatggc	tggtgcctga	agaccccaga	tgtgagggca	2040
gtcctgacag	ccaccaagaa	tttgtggcct	accttgtgag	ggagagaact	gaggatctcc	agcattctca	2100
ccaccaagaa	gccacaacca	aaaaaaaaata	aaaagggcag	ccctccttac	cactgtggaa	gtccctcaga	2160
ggccttgggg	ggccttgggg	catgacccag	tgaagatgca	ggtttgacca	ggaaagcagc	gctagtggag	2220
ggccttgggg	gggttgagaa	ggaggtaaag	gatgaggggtt	catcatccct	ccctgcctaa	ggaagctaaa	2280

```

agcatggccc tgetgcccct ccttgccctc acccacagtg gagaggggcta caaaggagga 2340
caagaccctc tcaggctgtc ccaagctccc aagagcttcc agagctctga cccacagcct 2400
ccaagtcagg tggggtggag tcccagagct gcacaggggt tggcccaagt ttctaaggga 2460
ggcacttcct cccctcgccc atcagtgcc accccctgtg gctgggtgct gagccctca 2520
gacagcccc tgccccgcag gectgccttc tcagggactt ctgcggggcc tgaggcaagc 2580
catggagtga gacccaggag ccggacactt ctcaggaaat ggcttttccc aacccccagc 2640
ccccaccgg tggttcttcc tgttctgtga ctgtgtatag tgccaccaca gcttatggca 2700
tctcattgag gacaaagaaa actgcacaat aaaaccaagc ctctggaatc tgtcctcgtg 2760
tccacctggc cttegtctct ccagcagtgc ctgcctgccc ccgctt 2806

```

```

<210> 362
<211> 634
<212> DNA
<213> Homo sapiens

```

```

<400> 362
cggctgagag gcagcgaact catctttgcc agtacaggag cttgtgccgt ggcccacagc 60
ccacagccca cagccatggg ctgggacctg acggtgaaga tgctggcggg caacgaattc 120
caggtgtccc tgagcagctc catgtcgggt tcagagctga aggcgcagat caccagaag 180
attggcgtgc acgccttcca gcagcgtctg gctgtccacc cgagcgggtg ggcgctgcag 240
gacaggggtc cccttgccag ccagggcctg ggccctggca gcacggctct gctgggtggtg 300
gacaaatgcg acgaacctct gagcatcctg gtgaggaata acaagggccg cagcagcacc 360
tacgaggtcc ggctgacgca gaccgtggcc cactgaagc agcaagtga cgggctggag 420
ggtgtgcagg acgacctgtt ctggctgacc ttcgagggga agcccttggg ggaccagctc 480
ccgctggggg agtacggcct caagcccttg agcaccgtgt tcatgaatct gcgcctgcgg 540
ggaggcggca cagagcctgg cgggcggagc taagggcctc caccagcatc cgagcaggat 600
caagggcccg aaataaaggc tgttgtaaga gaat 634

```

```

<210> 363
<211> 13500
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 363
aagcttcctt cttggaattc caaactaata aatgagctaa ctccgccccca gccccttagt 60
ccctccctgc aatccaccta cctctgcaga catcttcttc caaggaacct tgcttgggaa 120
acccacacca gacacatcca tcatggcgtc tacagccgca tgggcgtgcg tccctctggt 180
tatatggcca gagccccgcc tcgctccgcc cctttaaaact tgggtgggcgg accgaggcgg 240
ggctcagacc aggccccacc ccgatcagcc acgtccatcg ccctgatttc caggccctcc 300
cagtccttgg gcgcacgtcc cggattcttc ccacgagggg gcgggctgcg gccaaatctc 360
ccgccaggtc agcggccggg cgctgattgg ccccatggcg gcggggcccg ctctgattg 420
gccagcacgc cgtggtttta agcggtcggc gcgggaccag gggcttactg cgggacggcc 480
ttggagagta ctcggggttc tgaacttccc ggaggcgcaa tgagctgcat taacctgccc 540
actgtgetgc ccggctcccc cagcaagacc cgggggcaga tccaggtgcg ggggccagcc 600
ctgcgcgtgg ctggggatga ggtggctcgt gtgatagcct gtgtccaggc atccgcgcag 660
ggcggggcct caaatgacct caccttctct cctaggtgat tctcgggcgg atgttctcag 720
gaaaaaggta atggcttcgc ggggctgggg tggagctcct tcctcttctc cggggacccc 780
ttgtccctcc cctccctccc cctccctccc cctccctccc cctcccttcc cctcccttcc 840
ccttccctcc ccttcccttc ccttagaagg accagcacag cctcctacag ctcccgcgg 900
gggtgctcct cccttgaatt cagtccagga ggaagtctct gccctcttct gcccaggcca 960
agccctcgt cctgtgtgga cgccactccc tcctggagct ggtgacagct gcttacagct 1020
tagctgtctt cccaccaag tcctctgaga aggtggcaac cagttgtgtc cctgtaggc 1080

```

caggcctttt	tgtacacccc	tattcaatgt	ggctgtttcc	ttctaaggcc	aaggaaacgt	1140
agtcgccttc	taaaccaagg	agtctgaagc	cgtggagcct	ctgctctcct	gaggtgatag	1200
aaccattccc	tgaccgcggg	ggggctagtg	agtttcttga	gtaaactacc	cacgcaccat	1260
tctttttgtt	ttgtttttgt	tcttctagag	gtaggatctt	gctatgttgc	ccaggctggg	1320
ctcaaaactcc	tgggctcaag	caattctctc	acctcagcct	cccaagtagc	tgggactaca	1380
ggcgtgcacc	ccccccgcct	ccaccagcct	aatttttattt	tattttttata	gagctggggg	1440
cttgctatgt	tgcccaagct	ggtcttgaac	tccctggctc	aagcaatcct	cctacttcag	1500
catcccaaag	tgctgggatt	acagatgtta	gccaccatgc	cctgccccaa	cattctttta	1560
tggccctggg	gatcacttca	gctcaaacc	cttgctcagg	aagatgtggc	tcagagttgg	1620
acttcttgga	cccagaagca	agtgcctttt	acgctgcaca	caaagacttt	ctgaaattaa	1680
tttagaaaag	ctgtatgcc	ggtgtgggtg	cccacgcctt	taatcccagc	gctttggaag	1740
gctgaggtgc	gttgatcact	tgaggttagg	agtttgagac	caccctgggc	aacgtgggtga	1800
aaccccatct	ctactgaaaa	aaaaaaccaa	aaattatctg	ggcatgggtg	cagcctcctg	1860
taatcccagc	tactcgggag	gttgaggcag	gagaatctct	tgaacccgga	aggcaggggt	1920
tgcagtgagc	tgagatcgct	ccactgcact	ctaacctagg	caacagagcg	agactccacc	1980
ccaaaaagaa	agaaagaaaa	actctgaact	ctgggaacaa	ctctgggatg	aggttacttt	2040
ggaatgcagt	cgcaggttcc	ctctacatgt	agcctttgct	tctgccttcc	ccactacatc	2100
ttggagaagg	ttactcctcc	cacacttcct	gggaccacct	gagtaccatt	cctggacctc	2160
ttcccatag	agaattctga	cttccaaccc	tctttgtagg	gatattatac	cctgcctgct	2220
ctgcctgct	cttttctggc	tgtgggtggc	tcagtctgca	taccactagg	gacaatgagg	2280
agccaggctt	gttggggagg	ggtctccttc	tccactcct	cccgcctggg	acctcacctg	2340
accctctctc	ctcttgccagc	acagagttga	tgagacgcgt	ccgtcgcttc	cagattgctc	2400
agtacaagtg	cctggtgatc	aagtatgcca	aagacactcg	ctacagcagc	agcttctgca	2460
cacatgaccg	gtcagtcctc	gccccctgca	gtcctgtcca	gtggaaaatc	acaaggcaca	2520
ggacacactg	ttaggactct	ctttaatggg	gatgggttaat	catttgaaca	ttgaatgatt	2580
caaatacagca	cactttccaa	ggtgcttggc	aaggtagcgc	acactctcca	ctccctgggc	2640
tggagccagt	ggttctccac	tgaggggtgat	tttgccgcc	gggtccattt	gacaatgttt	2700
gaagacattt	ctagttgttg	caactggagg	ggggagggga	tgcttttggg	ctttaatgtg	2760
tagaaatcag	ggacactgct	gctaaggggc	ctatgggtgca	gaggacggcc	cccatgcaag	2820
aacgagctgg	ccccaaatgt	caggagcctg	ccagtgttca	gaaactctgc	cgtaggggtt	2880
cagcttcaca	caggctgcag	actggtttgg	tttggcctgc	acgttgattt	ttgtttaatt	2940
ttttagttgt	ccgttgttgg	ctggctcccc	cgtcacctgg	cagccttcac	gcttcctgt	3000
tttatgtgta	gctgttttag	ctcgtctggc	atttcgcct	gcaacctcag	tttgggagtt	3060
aaattcactt	ccttggcagc	agatgtgggc	ccgatgtttc	tgagcctgag	acgctttgct	3120
tggctcctctg	gacttgtcca	cctgggcacc	cagtggcaaa	gccatgctgt	gccacacatt	3180
atagggcttc	agcctcagag	ccctggctgg	gagctgtatc	cgagagttgc	tatggctgtg	3240
cagagaacag	atccacccgg	cgtgtggcct	tcgggtgggag	ctgaggggct	cctgaagcca	3300
gatgctggtg	gagtggaggg	tgcttggggc	ttggagttgc	atgtgggaat	ttaaccgcac	3360
cttcgtgacc	atgctgtctg	atgtaggtca	tttacttttc	caaatttgct	tcctcattcc	3420
taagatgcga	tgtccacggc	acaggggtgg	gttacacctg	gtggggacag	ggaaagcaga	3480
ggaggtcact	tcgttccagc	tgttggaagt	acaacttctg	gagtcagtca	gatccgggat	3540
taaatatgag	ttctgcccgt	gtgtcacaag	tcatctctaa	cacggggccac	agaggccaag	3600
gctggggcag	cagcattgat	ggctcgagag	gctgccttgc	cagggggccac	agctggcctc	3660
ccacctgccc	tcactttgtc	tttctctgtt	tagggaggga	agagggaatt	taaaatgccc	3720
aaaatactgt	ttcacacatt	ctttccagaa	ctcgaagtag	gattatagca	aggtataaac	3780
gaaacaatag	ttgtaaagta	tgtttttttg	tttgtttgtt	gtttgttttt	gggacagggg	3840
ctctctctgt	caccaggtct	ggagtgcagt	ggctcaatca	tagcttactg	ttacgtgacc	3900



ccaaaccctt	gggctcaagt	gategtccca	cctcagcccc	ctgagcaggt	gggactacag	3960
gcgcacacca	ccacaccag	ttaatTTTTA	catttttttc	acacagtgtc	tcgctgtgtt	4020
accaggctg	gtctcgaact	cctgagttca	agtgatcctc	ccgtcttggc	ctccccaag	4080
attacgggca	tgagctgctg	tgtctggcca	gaatacagga	ttttaaaaaat	ttatgttttg	4140
caacataatt	aatataaaga	caaataaac	ccaggcccag	ttctagttaa	tcattcttct	4200
gaattttaaa	aggaaacatt	tggctggccc	ctaattggtat	catgggccct	ggtacctgat	4260
gaagttggcc	tagtctgccc	ccagctcctg	aacagtggaa	gagtttttag	tctcattgag	4320
ctttgtactg	gacattacta	atttctaate	caaagcatca	agtgaagtgg	cttgataaaa	4380
taactggttt	tcctctggga	ggctaaggcg	ggtggatcac	ttaaaagtta	ggagtctgag	4440
accagcctgg	ccaacatggt	gaaaccccat	gtctgctaaa	aatacaaaaa	ttagctgggt	4500
gtgatgggtg	gtggccagta	gtcccagcta	ctcttggtgg	tgaggtggga	gaatcgcttg	4560
agacccttga	gaattgggag	gtagagattg	caggagccg	agatggcgcc	actgcactcc	4620
agcctgggtg	acagagcaag	actctgtttc	ataaaaaata	aataaataac	tggttttctg	4680
gacgagggcc	tttcccatag	gtgctaactt	ctcaaagccc	ggctgggtga	acactgagcc	4740
tgctttgcag	gtagcaggtg	gtcacgacag	tgccattccc	tggcccctgc	attgtggctt	4800
ctggcctccc	tggccctgct	cacgctctgg	ctttctcttc	ccaggaacac	catggaggcg	4860
ctgcccgcct	gcctgctccg	agacgtggcc	caggaggccc	tgggcgtggc	tgtcataggc	4920
atcgacgagg	ggcagtttgt	aagttggctt	gtcttggtcat	cactcttccct	gccttccgct	4980
gtgtcctccc	gttttccctc	gctgacttgg	aagttatctg	anncttttag	taaaataaca	5040
aggttaaata	gtacaacta	gtgttggaat	accctctgaa	ggcccctttc	tagtttccct	5100
gtcatagtgt	catagtcttg	taggattcgt	tttacttttt	tttttttttt	ttttgagacg	5160
gagttttgct	cttggtgccc	aggccggagt	acgatggcac	aatctcaccc	caaactttgc	5220
ttcctgggtt	caagcaattc	tctcctgtct	cagcctcccg	agtagctggg	attacaggca	5280
tgcgccacca	cgcccagcta	attttatatt	tttagtagag	atgggggttc	tccatgttgg	5340
tcaagctggg	ctcaaactcc	caacctcagg	tgatccgccc	cgcttgaac	tcccaaagcg	5400
ctgggattac	aggcatgagc	taccacacct	ggccattgta	cctttttaaa	aatacatata	5460
tctatttact	ggcaagatgc	agtgactcac	acctgtaate	tcagcctgtg	ggaggccaag	5520
gtggacagat	cacttgagcc	caggagttag	agactcacct	gggcaacata	gtaaaacccc	5580
atctctacca	aaaaaaaaaa	gaaattagcc	agtcatagca	gcgcacacct	gtggtccctg	5640
ctactcagga	ggctgaggca	gaaggatgga	gcctgggagg	tcgaggctgc	agtgagtggg	5700
gatagacca	ctgcactcca	gcccgggcca	caaggccaga	ccctgtctca	aaaaaaaaag	5760
ggggaggtgg	ggagtaatgt	ttggtttgcc	tcatggttcc	ttttgcttgt	ttcttatacg	5820
tttattttct	tgttggtgaa	gtaccttttt	tagtagtttt	tgcagccagg	aggtatagat	5880
gggaagctgc	cagtctttgt	atggaaatct	ttcttttgtc	atctagttta	agctgggcag	5940
caagaggtag	gttgatcttg	tgtgggtttg	ggtttttttt	tttttttgag	acggagtctt	6000
actctgtcgc	ccaggctgga	gtgcaatggt	gtgatctcgg	ctcactgcaa	cctctgccac	6060
ccggattcaa	gcgattttcc	cacctcgctt	cccaagtagg	tgggattaca	ggcaccaccc	6120
atcatgcctg	gctaattttt	gtagagacaa	gggttcacca	tgttggctag	gctggtcttg	6180
aactcctgac	ctcaggtgat	ccaccgcctt	tggcttccca	aagtgttggg	attacaggca	6240
tgagccgcgc	tgcctggcct	tttttatatt	tatttttttt	gagatggagt	cttgctctgt	6300
tgccttggtg	ggagtggagt	gacgtgatct	tagctcacag	caacctccgc	cttttgggtt	6360
caagcagttc	tgcctcatcc	ttccgggtag	ctgggatcac	aggtgcgtgc	cacatgcgta	6420
mtcatttatg	tatttttaaa	agagatgggg	tttcaccatg	ttggccagct	ggtctggaac	6480
tcttgacctc	aggtgatccg	catgcctcag	ctcccaaagt	gctgggatta	caggcgtgaa	6540
ccacgcctgg	tcttgatctt	gttgctttga	aaagtagcag	cgctggtcat	tgtgtttttg	6600
ctcagaggaa	ggccgccatc	tctctaattg	tacctctggt	caggattatt	atctgttctc	6660
tctcagcaca	atgtgtgtag	gggaagcttt	gtttcattta	tcctgcttta	tagctggtgt	6720
gccttttcat	ttctggggaa	ggaatgaagc	cattatcact	tcaggtattt	ctctcctcat	6780

ccatctctga	ggtgttctgg	gttccatctt	ccagagtgtg	ttttgtttca	gtgactatth	6840
ttacatctgc	tgctctaatt	catcatgctc	cgthttgttt	gacaagttac	tgthgggtta	6900
tttttaaatt	tatgctgttc	cttccattat	gttcctgaaa	atcttttctt	agacttttcc	6960
agatttttct	atttccctcag	gaacatatte	tgtgggttag	tttctgggtt	attttctgth	7020
atcttagttt	tctttctctt	gctttggaga	ttttattttt	gthtagtttat	cacaaagaat	7080
gaaactgaaa	ctctctccaa	gggggtttagc	agacttgacc	tcttaggtac	ttttagggtt	7140
gcctcgaagt	acacaatgtg	gtgggtttgat	ataaacataa	caggaattta	tttctcgctc	7200
acagaccccc	tacgtgggtc	caggccgggt	gatggggagg	ccgccacga	ggcggcttag	7260
gtcgccctgg	ctggctgtat	acagacacgg	aggggaagag	acgtggcgga	gcccctgggt	7320
gtgaggtttt	catgggcctg	accagaagct	gcaaacgtca	cttctgctga	tctttcaaag	7380
actagaacct	gggcacaggg	ccacctatac	gttttagtata	cttagtccag	ttcgthtttt	7440
gtttgttttt	aaaaacagtc	ttgctctgtg	gccaggctg	gagtgcagtg	gcgcagctctc	7500
ggctcactat	aacctccatg	tcccagggtt	aagtgattct	ccgcctcag	cctcctgagt	7560
agctgggatt	acaggcttct	gccaccatgc	ccagctaacc	ttttgtattt	ttagtagaga	7620
cggggtttca	tcatgttgac	cgggctgggt	tggaactcct	aacctcaggt	gatctgcctg	7680
cctcagcctc	ccaaagtgct	gggattacag	cgtgagccac	cacgcctggc	cacacttagt	7740
ctagttctat	accctggagg	aagaataaat	gagtttgttt	ggtgagtgct	tcaaggctctc	7800
taccgcctc	gcctcccagc	acagagccag	gccgctctgg	cctgaatacc	ctgcccggac	7860
gtcacagggc	ctgtccctc	aaaaggccag	tctgccttc	ctggttctgt	tcttgcccaa	7920
cattctgtat	gagtcacagc	tgcaaattcc	attcccgtag	ggaggctgac	gggtcccttc	7980
ccctgtgcgg	ggcatctgcc	ctgtggagtt	gaggctgcca	gtgtccgctc	tgggttcccg	8040
accaccggc	agctggcatc	tctcccccgc	ttgggtatgg	ccattccggt	tctgaccttc	8100
agaggtgcgc	ccctgagcac	ccccatgcct	ctgcgtacgt	ggagacgtcg	ttgttgctgc	8160
cccgtgcttg	agggactcct	ggcgagaaaag	tgagcccagg	ctgggaatag	ggctgcagct	8220
gttctctttt	gtccccaac	tgtggcctca	gaatgcattc	agggattttg	catcagcttt	8280
ggggacatgg	ccctctcaga	acaaggaagc	ttcagctttg	gcaaggctct	ccctccttca	8340
gacctgccgc	tgtgagttgt	tcaatagctc	tgthtctctg	gctctgcgta	aaccttgthg	8400
acagaggctg	accagacccc	ccgaggcaga	aacctttccc	ttctccttcc	tgcacatcca	8460
aatgcctga	gtcaggagcc	agcgtatgaa	gtcctgtccc	ctgthtcagcc	tgtaggaggg	8520
atttctcggt	ctacttctc	cctggccagc	aagtaaaact	tgagthcatt	cagtgagtat	8580
ttattacacc	ctaccagac	atcagcattc	tgccttgccc	tctgtgtgcc	cttgttctct	8640
tcaagaagth	ccgggtcacc	agcctgacca	acatggagaa	actccgtctc	tactaaaaat	8700
acaaaaatta	gccgggctg	gtggcgcact	gcctgtaatc	ccagctactt	gggaggctga	8760
ggcaggagaa	tcgcttgaac	ccggtaggcg	aaggthtcag	tgagccaaga	tcgccccatt	8820
gactccaag	cctgggcaac	aacaagagca	aaactcagtc	tcaaaacaaa	acaaaacaaa	8880
agaagthtcag	ggtcttccca	ttgcaagcag	ttctagatcg	aggagagggg	ttcctagcat	8940
gggaccagc	agaaggactg	tcttctgctc	cttcattgtc	tacgtggaca	gtggatgaag	9000
ctcagccgaa	cctgccttgt	tcccgttttc	tgggtcagca	gggaaagcct	ttcacagagt	9060
agccaccgtg	ccatcctgag	gaaggccctg	ggtcagaagc	ttctgtgctt	ctthgtacct	9120
cgggcaagac	acacaggtgc	tcacactgct	ctgtagaaac	tgttggcatt	caagagagac	9180
tcacctggaa	atctctggaa	aacctgaagc	tcttagctgg	gggtgctgtg	cttcagatgc	9240
tgggtgggg	tgggcacct	tgcattcaaca	gctgcacagt	gtgtgggtgg	cttgcagggt	9300
cgcttgcaa	tagtaggagc	tctgatttat	ttttttaaac	tttttttctg	gctgggcagg	9360
tggctcacac	ctgtaatccc	agcactttgg	aaggcctagg	cgggcgggac	acttgaggct	9420
aggagthtga	gaccagccag	gccaacatgg	tgaaccccca	tctctactaa	aaatacaaaa	9480
attagccaag	cgtgggtggca	cacacctgta	attccagcta	cttgggaggc	agaggcacaa	9540
gaattgcttg	aacctgggag	gcagaggthg	cagtgagcca	agattatgcc	actgcactcc	9600

agcctggatg	acagagcgag	actctgtctc	aaaaaaaata	gacaaagcca	ggcgcagtg	9660
ctcatgcctg	taatcccaac	actttgggag	gccgaggtgg	gtgaatcacg	aggtcaggag	9720
atcgagacca	tcctggctaa	cacggtgaaa	ccccgtctct	actgaaaata	caaaaaaatt	9780
agccaggcgt	ggtggtgggc	acctgtagtc	tcagctactc	gggaggctga	ggcaggagag	9840
tggcgtgaac	ccaggaggcg	gagcttgacg	tgagctgaga	tcacgccact	gcactccagc	9900
ctgggcgaca	gagcgagact	ccgtctcaaa	aaaaaaaaaa	aaatagacct	ttttgtgttt	9960
tctgttctac	tacacaagta	atacaggttg	agtattcctt	aacctaaatg	cctgggacca	10020
gaagtgtttc	ggatttcagg	ttttcgaata	tttgcattgt	cataatataa	tgagaccttg	10080
ggaatgagcc	ccaagtgtaa	acacaaaatc	catttatgtt	ttatagacat	cttaggcaca	10140
tagcctgaga	gtaattttat	gtatttagta	atttgggcgt	gagccacagt	ttttgactgt	10200
gacctgtccc	atgaggtcag	gtgtggaatt	ttccacttgt	ggtgggcgct	caaaaagtgt	10260
cagatttttg	agcctttcag	gttagagaca	tgcaatctat	aataagttta	atctaggaaa	10320
agttagggtc	tggcacagag	gctcacgtct	gtgatcccg	cactttggga	ggctgaggca	10380
ggcagatcac	tggaagtgtc	ggacgggtgg	ggaagtgccg	ggtgcaagaa	ccaagctctt	10440
tgactatgga	cctcagcctg	aggttggtca	agaggtggag	tgagtggggg	ctgaggacct	10500
tcacctgaa	accctgatgc	aggagagctc	ggggctctgc	ttctaccctc	atgtggcggg	10560
tgaaggagca	aggttctcaa	ctcaggaggg	ttcttccctt	ctccattccc	accaggggga	10620
catctcacia	caactagaaa	caattttgtc	gcagctgggg	ggtgggaggt	gtgttccttg	10680
catctatcta	atgggtgggg	gagaggagcg	cagcccaaca	ccctacagtg	cacaggacac	10740
agcgagatcc	ggcctcaaac	tggcagccat	ggcagcgtca	gccctccagg	gggcgcgccc	10800
tggcgcaggt	ggtgtgccgg	cccacagctc	cttgacggct	gggagctgca	ttttcgtgac	10860
atgtcatgag	tcctcagaga	aaaagaggga	acgagtgcac	ggtggggagg	ggccctggcg	10920
tgctggagtc	tctgggtttc	cttctccaga	gacccctgca	gtcagctgag	cgcaatcagt	10980
cacgttgggc	tttgccttga	tctcactgga	atttttcgag	ccacccttta	gtcctcacct	11040
tgctaagccc	tcacgtctca	ataacctcaa	acctcagtac	ctgggctgag	aaagcctgag	11100
tggccctggg	agagagaccc	tgcacccaag	gacaaggaca	tccctgcttc	accaacca	11160
aaggccagtc	tggacatatg	aactcaacca	gctaagagtg	atatgattga	ttgatgagaa	11220
tcaccagagc	acttgccaga	gtttcagctt	ctccctgggc	caaagtgaag	tttgctttac	11280
acagtaaattg	tgctctgtgc	aggtcctgaa	tttagaaggc	tgtgctgtgt	catcctgctc	11340
tgtaaattggc	cagtaggacc	cccgcctctt	ctcaaggcac	attaccctgt	taaaacgggg	11400
gaggcaagag	cacaaagcgc	ccacctatct	accgaagagc	atgtatataa	cttagggcct	11460
tccatcctta	aacaacagga	ccttccctgc	tcttacggaa	aaggaaacag	gttcagagac	11520
gttaattcat	tgccaaggct	acacagataa	tgggtccagc	gaagagtggg	gtccgagccc	11580
aaggcagcag	gcctttggcc	actgcagtgt	taaacagcac	agctggtgtg	gaagtccggt	11640
gctgagtcct	gggtacctgg	actcggaggg	aagctggctg	cagggggaag	gggctgcgca	11700
gttggtgatg	tacctgtcgt	ctgctggggg	gcgtgcgggt	ggacacagtc	ccccggcctg	11760
gggagcctcg	tgggagaatt	aagagttact	ccgggccaaa	tggccggagt	tgctcagatct	11820
ggcagcgtct	tcgctggggc	tccaggggagc	tgctgctggg	gtggaagctc	tcacactctt	11880
tctccacgtg	ccctttccag	ttccctgaca	tcattggagt	ctgcgaggcc	atggccaacg	11940
ccgggaagac	cgtaattgtg	gctgcactgg	atgggacctt	ccagaggaag	gtaaggcgtc	12000
tgatccaggt	ctggagctgg	gattgaggag	ggcaagaggc	ttctggatgg	gcacagagac	12060
accagctctg	ggtgaccagg	gctcagccac	cacagggtta	cggccgagct	gctcaggctt	12120
ggctgagcca	agggaactcca	tgggtctgtgc	agactgcgtg	ccatctgttg	tggcagggtgc	12180
tttgaattgg	caaaggga	gagccgggca	tgggtgctctg	gggggtgggg	gaaggactaa	12240
ggtcagagca	aactctcctg	gcttcagtac	ttgtgaatca	gaggggttaa	aagaaaaacc	12300
cacctggtaa	ggtgctgagc	gccctctgtc	tttccatggg	agcacagcca	tttggggcca	12360
tcctgaacct	ggtgccgctg	gccgagagcg	tgggtgaagct	gacggcggtg	tgcatggagt	12420
gcttccggga	agccgcctat	accaagaggc	tcggcacaga	gaaggaggta	gctccacctg	12480

ccttccctgc	aggccggcgg	ggtgggggta	tggctctgcc	tccttctgt	cctggccctt	12540
cacccatccc	ctgtccctgc	ggccaggctg	aggtgattgg	gggagcagac	aagtaccact	12600
ccgtgtgtcg	gctctgctac	ttcaagaagg	cctcaggcca	gcctgccggg	ccggacaaca	12660
aagagaactg	cccagtgcc	ggaaagccag	gggaagccgt	ggctgccagg	aagctctttg	12720
ccccacagca	gattctgcaa	tgcagccctg	ccaactgagg	gacctgcaag	ggccgcccgc	12780
tccttctctg	ccactgccgc	ctactggacg	ctgccctgca	tgctgccag	ccactccagg	12840
aggaagtccg	gaggcgtgga	gggtgaccac	accttggcct	tctgggaact	ctcctttgtg	12900
tggctgcccc	acctgccgca	tgtccctcc	tctcctacce	actggtctgc	ttaaagcttc	12960
cctctcagct	gctgggacga	tcgccaggc	tggagctggc	cccgtttggg	ggcctgggat	13020
ctggcacact	ccctctcctt	ggggtgaggg	acagagcccc	acgctgttga	catcagcctg	13080
cttcttcccc	tctgcccgtt	tactgctga	gtttctgttc	tcctgggaa	gcctgtgcca	13140
gcacctttga	gccttggccc	acactgaggc	ttaggcctct	ctgcctggga	tggtctccca	13200
ccctccccctg	aggatggcct	ggattcacgc	cctcttgttt	ccttttgggc	tcaaagccct	13260
tcctacctct	ggtgatggtt	tccacaggaa	caacagcatc	tttcaccaag	atgggtggca	13320
ccaaccttgc	tgggacttgg	atcccagggg	cttatctctt	caagtgtgga	gagggcaggg	13380
tccacgcctc	tgctgtagct	tatgaaatta	actaattgaa	aattcactgg	ttggtggacg	13440
cacatttctc	tttcacctgg	gtttccctgg	gtctcatgga	cagctccaac	ttgatttggg	13500

<210> 364  
 <211> 2206  
 <212> DNA  
 <213> Homo sapiens

<400> 364	ctagtctttc	agccttcagg	ctgttttttg	cttgaagctc	tcttggcctc	ctagtttcta	60
cctaatacatg	tccttgggtg	aggccatcag	cctctggaat	gaaggggtgc	tggcagcgga		120
caagaaggac	tgggaaggag	ccctggatgc	cttcagtgcc	gtccaggacc	ccactcccg		180
gatttgcttc	aacattggct	gcatgtacac	tatcctgaag	aacatgactg	aagcagagaa		240
ggcctttacc	agaagcatta	accgagacaa	gcacttggca	gtggcttact	tccaacgagg		300
gatgctctac	taccagacag	agaaatatga	tttggctatc	aaagacctta	aagaagcctt		360
gattcagctt	cgaggggaacc	agctgataga	ctataagatc	ctggggctcc	agttcaagct		420
gtttgcctgt	gaggtgttat	ataacattgc	tttcatgtat	gccaagaagg	aggaatggaa		480
aaaagctgaa	gaacagttag	cattggccac	gagcatgaag	tctgagccca	gacattccaa		540
aatcgacaag	gcgatggagt	gtgtctggaa	gcagaagcta	tatgagccag	tggtgatccc		600
tgtgggcaag	ctgtttcgac	caaatagagag	acaagtggct	cagctggcca	agaaggatta		660
cctaggcaag	gcgacggtcg	tggcatctgt	ggtggatcaa	gacagtttct	ctgggtttgc		720
ccctctgcaa	ccacaggcag	ctgagccctc	accagaccg	aaaaccccag	agatcttcag		780
ggctctggaa	ggggaggctc	accgtgtgct	atttgggttt	gtgcctgaga	caaaagaaga		840
gctccaggtc	atgccaggga	acattgtctt	tgtcttgaag	aagggaatg	ataactgggc		900
cacggtcatg	ttcaacgggc	agaaggggct	tgttccctgc	aactaccttg	aaccagttga		960
gttgcgatc	caccctcagc	agcagcccca	ggaggaaagc	tctccgcagt	ccgacatccc		1020
agctcctcct	agttccaaaag	cccctggaaa	accccagctg	tcaccaggcc	agaaacaaaa		1080
agaagagcct	aaggaagtga	agctcagtgt	tcccatgcc	tacacactca	aggtgcacta		1140
caagtacacg	gtagtcatga	agactcagcc	cgggctcccc	tacagccagg	tccgggacat		1200
ggtgtctaag	aaactggagc	tccggctgga	acacactaag	ctgagctatc	ggcctcgga		1260
cagcaatgag	ctggtgcccc	tttcagaaga	cagcatgaag	gatgcctggg	gccaggtgaa		1320
aaactactgc	ctgactctgt	ggtgtgagaa	cacagtgggt	gaccaaggct	ttccagatga		1380
acccaaggaa	agtgaaaaag	ctgatgctaa	taaccagaca	acagaacctc	agcttaagaa		1440
aggcagccaa	gtggaggcac	tcttcagtta	tgaggctacc	caaccagagg	acctggagtt		1500
tcaggaaggg	gatataatcc	tgggtgttatc	aaaggtgaat	gaagaatggc	tggaagggga		1560
gtgcaaaggg	aagggtgggca	ttttccccaa	agtttttgtt	gaagactgcg	caactacaga		1620

tttggaaagc	actcggagag	aagtctagga	tgtttcacia	actacaaagc	tgaagaaaat	1680
gaagccctat	tacttgtttg	taagatttag	cacccttctg	ctgtatactg	tactgagaca	1740
ttacagtttg	gaagtgttaa	ctattttattc	cctgttaaaa	tttaacctac	tagacaatga	1800
tgtgagtacc	caggatgatt	tcctggggca	cagtgggtga	ggagatgggg	acaggtgaat	1860
ggaggagtta	ggggagagga	aaagtggatg	gaagtgtctg	gaaagggcac	gagagagtct	1920
tccaggtact	gatcctgttt	cttgctctga	gtgctagcta	gccagctgtg	ttcacactgt	1980
aaacattcat	caagctgtac	atttggtgca	cttttctgtg	tcataccaca	ataaaaaaaaa	2040
acctatcatc	atcttacaaa	aacaagacac	ccaagtccag	gccaaggag	taagtacaaa	2100
tattcctgtt	tctgaacat	tactgtaatt	ggctcttaag	gcttgaagta	accttatagg	2160
ttactcataa	ggcatataca	aataaacttg	tttgttttct	tttttc		2206

<210> 365  
 <211> 1539  
 <212> DNA  
 <213> Homo sapiens

<400> 365						
gaattcgggg	ggaggggggca	gtgtcctccg	agccaggaca	ggcatgttgt	tgggactggc	60
ggccatggag	ctgaaggtgt	gggtggatgg	catccagcgt	gtggtctgtg	gggtctcaga	120
gcagaccacc	tgccaggaag	tgggtcatcgc	actagcccaa	gcaataggcc	agactggccg	180
ctttgtgctt	gtgcagcggc	ttcgggagaa	ggagcggcag	ttgctgccac	aagagtgtcc	240
agtgggcgcc	caggccacct	gcgacagtt	tgccagcgat	gtccagtgtg	tcctgaggcg	300
cacagggccc	agcctagctg	ggaggccctc	ctcagacagc	tgtccacccc	cggaacgctg	360
cctaattcgt	gccagcctcc	ctgtaaagcc	acgggctgcg	ctgggctgtg	agccccgcaa	420
aacactgacc	cccagaccag	cccccagcct	ctcacgcctc	gggcctgctg	cccctgtgac	480
accacacca	ggctgctgca	cagacctgcg	gggcctggag	ctcaggggtg	agaggaatgc	540
tgaggagctg	ggccatgagg	ccttctggga	gcaagagctg	cgcggggagc	aggcccggga	600
gcgagagggg	caggcacgcc	tgcaggcact	aagtgcggcc	actgctgagc	atgccgcccg	660
gctgcaggcc	ctggacgctc	aggcccgtgc	cctggaggct	gagctgcagc	tggcagcgga	720
ggcccctggg	ccccctcac	ctatggcatc	tgccactgag	cgcctgcacc	aggacctggc	780
tgttcaggag	cggcagagt	cggaggtgca	gggcagcctg	gctctgggtg	gccgggccct	840
ggaggcagca	gagcgagcct	tgcaggctca	ggctcaggag	ctggaggagc	tgaaccgaga	900
gctccgtcag	tgaacctgc	agcagttcat	ccagcagacc	ggggctgcgc	tgccaccgcc	960
cccacggcct	gacaggggcc	ctcctggcac	tcagggccct	ctgcctccag	ccagagagga	1020
gtccctcctg	ggcgctccct	ctgagtccca	tgtgtgtgcc	cagcctaggc	cccaggtggg	1080
cccccatgac	gcagaactcc	tggaggtagc	agcagctcct	gccccagagt	ggtgtcctct	1140
ggcagcccag	ccccaggctc	tgtgacagcc	tagtgagggc	tgaagacca	tcctgcccgg	1200
accacagaag	gagagttggc	ggtcacagag	ggctcctctg	ccaggcagtg	ggaagccctg	1260
ggtttgccct	caggagctgg	gggtgcagtg	ggggactgcc	ctagtctctg	ccaggtcgcc	1320
cagcaccctg	gagaagcatg	gggcgtagcc	agctcggaac	ttgccaggcc	ccaaaggcca	1380
cgactgcctg	ttggggacag	gagatgcatg	gacagtgtgc	tcaagctgtg	ggcatgtgct	1440
tgcctgcggg	agaggtcctt	cactgtgtgt	acacagcaag	agcatgtgtg	tgccacttcc	1500
cctaccccaa	cgtgaaaacc	tcaataaact	gcccgaagc			1539

<210> 366  
 <211> 1424  
 <212> DNA  
 <213> Homo sapiens

<400> 366						
aggagcctta	ggaggtacgg	ggagctcgca	aatactcctt	ttggtttatt	cttaccacct	60
tgtttctgtg	ttccttggga	atgctgctgt	gcttatgcat	ctggtctctt	tttggagcta	120
cagtggacag	gcattttgtg	cagcactatg	ggactgagta	acatttctct	tgtgatggcc	180
ttcctgctct	ctgggtgctg	tcctctgaag	attcaagctt	atttcaatga	gactgcagac	240

ctgccatgcc	aatttgcaaa	ctctcaaaac	caaagcctga	gtgagctagt	agtatttttg	300
caggaccagg	aaaacttggt	tctgaatgag	gtatacttag	gcaaagagaa	atttgacagt	360
gttcattcca	agtatatggg	ccgcacaagt	tttgattcgg	acagttggac	cctgagactt	420
cacaatcttc	agatcaagga	caagggcttg	tatcaatgta	tcatccatca	caaaaagccc	480
acaggaatga	ttcgcatcca	ccagatgaat	tctgaactgt	cagtgcctgc	taacttcagt	540
caacctgaaa	tagtaccaat	ttctaataata	acagaaaatg	tgtacataaa	tttgacctgc	600
tcatctatac	acggttaccc	agaacctaag	aagatgagt	ttttgctaag	aaccaagaat	660
tcaactatcg	agtatgatgg	tattatgcag	aaatctcaag	ataatgtcac	agaactgtac	720
gacgtttcca	tcagcttgct	tgtttcattc	cctgatgtta	cgagcaatat	gaccatcttc	780
tgtattctgg	aaactgacaa	gacgcggctt	ttatcttcac	ctttctctat	agagcttgag	840
gaccctcagc	ctccccaga	ccacattcct	tggattacag	ctgtacttcc	aacagttatt	900
atatgtgtga	tggttttctg	tctaattcta	tggaaatgga	agaagaagaa	gcggcctcgc	960
aactcttata	aatgtggaac	caacacaatg	gagagggaag	agagtgaaca	gaccaagaaa	1020
agagaaaaaa	tccatatacc	tgaaagatct	gatgaagccc	agcgtgtttt	taaaagttcg	1080
aagacatctt	catgcgacaa	aagtgataca	tgtttttaat	taaagagtaa	agcccataca	1140
agtattcatt	ttttctaccc	tttcttttgt	aagttcctgg	gcaacctttt	tgatttcttc	1200
cagaaggcaa	aaagacatta	ccatgagtaa	taagggggct	ccaggactcc	ctctaagtgg	1260
aatagcctcc	ctgtaactcc	agctctgctc	cgtatgccaa	gaggagactt	taattctctt	1320
actgcttctt	ttcacttcag	agcacactta	tgggccaagc	ccagcttaat	ggctcatgac	1380
ctggaaataa	aatttaggac	caataaaaaa	aaaaaaaaaa	aaaa		1424

<210> 367  
 <211> 2814  
 <212> DNA  
 <213> Homo sapiens

<400> 367	aagaacgccc	ccaaaatctg	tttctaattt	tacagaaatc	ttttgaaact	tggcacggta	60
	ttcaaaagtc	cgtggaaaga	aaaaaacctt	gtcctggctt	cagcttccaa	ctacaaagac	120
	agacttggtc	cttttcaacg	gttttcacag	atccagtgac	ccacgctctg	aagacagaat	180
	tagctaactt	tcaaaaacat	ctggaaaaat	gaagacttgg	gtaaaaatcg	tatttgaggat	240
	tgccacctct	gctgtgcttg	ccttatttgt	gatgtgcatt	gtcttacgcc	cttcaagagt	300
	tcataactct	gaagaaaata	caatgagagc	actcacactg	aaggatattt	taaatggaac	360
	attttcttat	aaaacatttt	ttccaaactg	gatttcagga	caagaatatc	ttcatcaatc	420
	tgcagataac	aatatagtac	tttataatat	tgaacagga	caatcatata	ccattttgag	480
	taatagaacc	atgaaaagt	tgaatgcttc	aaattacggc	ttatcacctg	atcggcaatt	540
	tgtatatcta	gaaagtgatt	attcaaagct	ttggagatac	tcttacacag	caacatatta	600
	catctatgac	cttagcaatg	gagaatttgt	aagaggaaat	gagcttcctc	gtccaattca	660
	gtatttatgc	tggctgcctg	ttgggagtaa	attagcatat	gtctatcaaa	acaatatcta	720
	tttgaacaa	agaccaggag	atccaccttt	tcaaataaca	tttaatggaa	gagaaaataa	780
	aatattttaat	ggaatcccag	actgggttta	tgaagaggaa	atgcttccta	caaaatatgc	840
	tctctgggtg	tctcctaagt	gaaaattttt	ggcatatgcg	gaatttaagt	ataaggatat	900
	accagttatt	gcctattcct	attatggcga	tgaacaatat	cctagaacaa	taaatattcc	960
	atacccaaag	gctggagcta	agaatcccg	tgttcggata	tttattatcg	ataccactta	1020
	ccctgcgtat	gtaggtcccc	aggaagtgcc	tgttccagca	atgatagcct	caagtgatta	1080
	ttatttcagt	tggctcacgt	gggttactga	tgaacgagta	tgtttgagct	ggctaaaaag	1140
	agtccagaat	gtttcgggtc	tgtctatatg	tgacttcagg	gaagactggc	agacatggga	1200
	ttgtccaaag	accaggagc	atatagaaga	aagcagaact	ggatgggctg	gtggattctt	1260
	tgtttcaaga	ccagttttca	gctatgatgc	catttcgtac	tacaaaatat	ttagtgacaa	1320
	ggatggctac	aaacatatct	actatatcaa	agacactgtg	gaaaatgcta	ttcaaattac	1380
	aagtggcaag	tgggaggcca	taaatatatt	cagagtaaca	caggattcac	tgttttattc	1440

tagcaatgaa	tttgaagaat	accctggaag	aagaaacatc	tacagaatta	gcattggaag	1500
ctatcctcca	agcaagaagt	gtgttacttg	ccatctaagg	aaagaaaggt	gccaatatta	1560
cacagcaagt	ttcagcgact	acgccaaagta	ctatgcactt	gtctgctacg	gccagggcat	1620
ccccatttcc	acccttcatg	atggacgcac	tgatcaagaa	attaaaatcc	tggaagaaaa	1680
caaggaattg	gaaaatgctt	tgaaaaatat	ccagctgcct	aaagaggaaa	ttaagaaact	1740
tgaagtagat	gaaattactt	tatggtacaa	gatgattcct	cctcctcaat	ttgacagatc	1800
aaagaagtat	cccttgctaa	ttcaagtgt	tggtgggtccc	tgagtcaga	gtgtaagggtc	1860
tgtatttgct	gttaattgga	tatcttatct	tgcaagtaag	gaagggatgg	tcattgcctt	1920
ggtaggtggt	cgaggaacag	ctttccaagg	tgacaaactc	ctctatgcag	tgtatcgaaa	1980
gctgggtggt	tatgaagttg	aagaccagat	tacagctgtc	agaaaattca	tagaaatggg	2040
tttcattgat	gaaaaaagaa	tagccatatg	gggctgggtcc	tatggaggat	acgtttcatc	2100
actggccctt	gcctctggaa	ctgggtctttt	caaatgtgggt	atagcagtgg	ctccagtctc	2160
cagctgggaa	tattacgcgt	ctgtctacac	agagagattc	atgggtctcc	caacaaagga	2220
tgataatctt	gagcactata	agaattcaac	tgtgatggca	agagcagaat	atttcagaaa	2280
tgtagactat	cttctcatcc	acggaacagc	agatgataat	gtgcactttc	aaaactcagc	2340
acagattgct	aaagctctgg	ttaatgcaca	agtggatttc	caggcaatgt	ggtactctga	2400
ccagaaccac	ggcttatccg	gcctgtccac	gaaccactta	tacaccacca	tgaccactt	2460
cctaaagcag	tgtttctctt	tgtcagacta	aaaacgatgc	agatgcaagc	ctgtatcaga	2520
atctgaaaac	cttatataaa	cccctcagac	agtttgctta	ttttattttt	tatgttgtaa	2580
aatgctagta	taaacaaaca	aattaatgtt	gttctaaagg	ctgttaaaaa	aaagatgagg	2640
actcagaagt	tcaagctaaa	tattgtttac	atcttctggt	actctgtgaa	agaagagaaa	2700
agggagtcac	gcattttgct	ttggacacag	tgttttatca	cctgttcatt	tgaagaaaaa	2760
taataaagtc	agaagttcaa	aaaaaaaaaa	aaaaaaaaaa	aaagcgcccg	ctcg	2814

<210> 368  
 <211> 3143  
 <212> DNA  
 <213> Homo sapiens

<400> 368	ggggaagtgt	gggagcaggt	gggctgggca	gtggcagaaa	cctgatgaca	caatctcgcc	60
	gcctccctgt	gttgggtggag	gatgtctgca	gcagcattta	aattctggga	gggcttggtt	120
	gtcagcagca	gcaggaggag	gcagagacag	catcgctggg	accagactcg	tctcaggcca	180
	gttgagcct	tctcagccaa	acgccgacca	aggtacagct	tcagtttgct	actgggttgt	240
	gcattcagct	gaatttcatg	gggaagtcca	aattctaagg	aaaaaatgt	ggtagtataa	300
	aaaggtatca	ctgttgtaac	ctatgaagat	gtcagctatt	cctttgaaat	atcttgacag	360
	aaaactcact	accatgagaa	ttgcagtgat	ttgcttttgc	ctcctaggca	tcacctgtgc	420
	cataccagtg	agtacagttg	catcttaaag	aaaattcctg	aaaataactg	aattgtgtgc	480
	ttccatgtgc	taggaggaca	ttcttgtaat	ctttcttcat	cttttctggt	tctaaggtta	540
	aacaggctga	ttctggaagt	tctgaggaaa	agcaggtaag	catcttttat	gtttttatat	600
	agttaaatca	tttactcaat	tatggcgaga	gggtgcaagaa	acgtatttgc	tgcatcaaaa	660
	tgagttcata	tttgtaaagc	aatttgaaag	agtgcctagc	ccacagtaag	tgctacataa	720
	gagtttggtta	aatgaatctg	caaaaaaaaa	aaaaattaca	aaaaggtacc	taagggtccg	780
	ggtgactata	tgcttccatc	aagactagtg	aagaatgggt	gttttttcca	ttcatcccta	840
	catttctttt	tttaataatg	ataaacatgc	aacttttttg	tagctttaca	acaaataccc	900
	agatgctgtg	gccacatggc	taaaccctga	cccatctcag	aagcagaatc	tcctagcccc	960
	acaggtattt	ttaaacttct	cataattaaa	ctacagtgat	gaaagatagc	cacactcagg	1020
	ccatttgggc	tgctcagatg	aatcctgccc	tgctgctggg	caaacatgtg	cttaggacat	1080
	tgactgatct	gccatgttgg	cttctctctg	tgtaaagcca	tccacagatg	aggctgaaaa	1140
	ataaaaaactg	ctttggatta	aaaagggttaa	cttttgtaata	aaaaagctag	gcatgtgtga	1200
	tgcgactaa	cacgtgccat	tccttcttca	gaatgctgtg	tcctctgaag	aaaccaatga	1260

ctttaaacia	gaggtaagtt	ctcatttttca	atcagaggcc	catcatgcct	tgaagagatg	1320
aaagaaggca	ttgcctggat	tctcttctga	tgaattttca	ttagcaagtt	ttccagctaa	1380
ttggcagtct	aaaacttgct	cataaataaa	acatgtattt	actaaatata	agaaataacta	1440
ggtttctctg	gataaccta	aagccatggg	atgtactgtg	aatgcaaaga	ttctgaaact	1500
aaataaaaaag	aaagatagta	aaagactaat	gtgctataaa	ggctaaggga	aaataaaaaac	1560
ccatatatta	attttcccg	ccatcttaat	tttcagaccc	ttccaagtaa	gtccaacgaa	1620
agccatgacc	acatggatga	tatggatgat	gaagatgatg	atgaccatgt	ggacagccag	1680
gactccattg	actcgaacga	ctctgatgat	gtagatgaca	ctgatgatcc	tcaccagtct	1740
gatgagtctc	accattctga	tgaatctgat	gaactgggtca	ctgattttcc	cacggacctg	1800
ccagcaaccg	aagttttcac	tccagttgtc	cccacagtag	acacatatga	tggccgaggt	1860
gatagtgtgg	tttatggact	gagggtcaaaa	tctaagaagt	ttcgagacc	tgacatccag	1920
gtaaaccctt	taacagacac	acctgatggg	tctgactagc	gctcaagtct	aggaaaccac	1980
agttttgcata	ttcattcatt	cattcatcca	ttcattcatc	cattcagcaa	gaattcattc	2040
atattctact	ttatgaccat	tgaatacaaaa	tctttttctg	cttgggcggt	tttgtaagtc	2100
tacataattt	ctctctagat	ttgattctca	aacacaattc	tactttttga	aatcctggat	2160
caaagtaaca	tgctagtatt	atttcagcca	gatttagaca	atttttagta	taagatgacc	2220
taaaagctag	agagtggaaa	aggattacca	tattcccatc	cctagccgtt	catataatta	2280
ttcttcattt	gtgccgtgat	tcagtaccct	gatgctacag	acgaggacat	cacctcacac	2340
atggaaagcg	aggagttgaa	tggtgcatac	aaggccatcc	ccgttgccca	ggacctgaac	2400
gcgccttctg	attgggacag	ccgtgggaag	gacagttatg	aaacgagtc	gctggatgac	2460
cagagtgtctg	aaaccacag	ccacaagcag	tccagattat	ataagcggaa	agccaatgat	2520
gagagcaatg	agcattccga	tgtgattgat	agtcaggaac	tttccaaagt	cagccgtgaa	2580
ttccacagcc	atgaatttca	cagccatgaa	gatatgctgg	ttgtagacc	caaaagtaag	2640
gaagaagata	aacacctgaa	atttcgtatt	tctcatgaat	tagatagtgc	atcttctgag	2700
gtcaattaaa	aggagaaaaa	atacaatttc	tcactttgca	tttagtcaaa	agaaaaaatg	2760
ctttatagca	aaatgaaaga	gaacatgaaa	tgcttctttc	tcagtttatt	ggttgaatgt	2820
gtatctattt	gagtctggaa	ataactaatg	tgtttgataa	ttagtttagt	ttgtggcttc	2880
atggaaactc	cctgtaaaca	aaagcttcag	ggttatgtct	atgttcattc	tatagaagaa	2940
atgcaaacta	tcactgtatt	ttaatatttg	ttattctctc	atgaatagaa	atttatgtag	3000
aagcaaacia	aatactttta	cccacttaaa	aagagaatat	aacattttat	gtcactataa	3060
tcttttggtt	tttaagttag	tgtatatattt	gttggtgatta	tcttttggtg	tgtgaataaa	3120
tcttttatct	tgaatgtaat	aag				3143

<210> 369  
 <211> 1896  
 <212> DNA  
 <213> Homo sapiens

<400> 369	gcggcggtgg	cggaggcgga	cacattggcg	tgagacctgg	gagtacgttg	tgccaatca	60
	ttgccacttg	ccacatgagt	gtaaatgatg	gcggatgcaa	gtatgtctc	tgccgatggg	120
	aaaagcgatt	atggcctg	aagggtgacag	ccattattct	gtaacttcag	gacttagaaa	180
	tgactttcgg	gtgacaagta	aatcttgat	caggagatac	ctaggatttg	cttcagtga	240
	ataattgagc	cagaacacgg	ttggcactga	ttctcggttc	ccatttaatg	gggttttggt	300
	ctagtgtctc	caaggttaca	cttcagaaa	tgtctttttt	ttttcacact	aaaaaaaaa	360
	aaaagaatca	gctgtaaaaa	ggcatgtaag	gctgtaactc	aaggaaagat	ctggcaagca	420
	gccctgtgat	agtaaattat	ggctgtgttc	agggaatgct	ttccagcaat	tcagtagaca	480
	gtgctcagct	gcaatgcaaa	agcccagggtc	cttgtctttg	tctgccactg	gcctctcatg	540
	cctcagtttc	cccatctgtg	aaacaatggg	gattggacca	aatatctgaa	atcccatggt	600
	tataggcctt	caggattacc	tgctgcattt	gtgctaaagt	ttgccactgt	ttctcactgt	660
	cagctgttgt	aataacaagg	attttctttt	gttttaaatg	taggttttgg	cccgaaccgc	720



gacttcaaca	aaaaataaga	gaagaaagga	atatttttcta	gctgtgcaaa	tcctctccct	780
agaggaaaaag	ttaattgttg	tggtgtttta	atactgtttt	ttcccgtgta	gatttctgat	840
acttcaatcc	cctactcccc	caaaacagtt	gaagcccagc	ccactcttaa	tgggcttatt	900
caccatttgt	gtaattcatt	aatgctcata	ataacctcat	gagaaagcaa	ctagtttgat	960
tttatgtcag	tttggaagct	gaagatccaa	acgaggcatt	ctgtgagatc	tatggagaga	1020
ttggtacaaa	cactgaatac	atgtaaatta	tactcagggg	agaccctatt	tgtgggttaa	1080
atagggatat	ttcctttttt	tttttttttt	ttttgactgt	ttcttaatac	gtgccatgcc	1140
aggaaaatag	ggatgtttcc	ttcccagaga	tctgtgtgtc	ttttttcaga	aacgtctgtg	1200
acaggcccat	caattttgaa	atatttggtt	tttgagcctg	tcactctaaa	ccagcgttta	1260
acgttcaaaa	ggcaaataac	tgatgaccag	gcggcacatt	gttctgctcc	gtgagtgtct	1320
ggcactggga	aaggtgtaga	ttgtctagaa	tgacagcaat	tccgacgccc	cagtcaagcc	1380
tgcgtagattg	tggcgagggc	gcgtctggca	ccgggaaggt	gtagatcatc	tagaatgacg	1440
gcgattccga	cgccccgggc	agtcctgcgt	gattggcgag	ggtgcatctg	tcgtgagaat	1500
tcccagttct	gaagagagca	aggagactga	tcccgcgtag	tccaaggcat	tggctcccct	1560
gttgctcttc	cttggtggagc	tccccctgcc	ccactccctc	ctgcctgcat	cttcagagct	1620
gcctctgaag	ctcgcttggt	ccctagctca	cactttccct	gcggctggga	aggttaattga	1680
atactcgagt	ttaaaaggaa	agcacatcct	tttaaaccac	aacacacctg	ctgggctgta	1740
aacagctttt	agtacatta	ccatctactc	tgaaaatcta	acaaaggagt	gatttgtgca	1800
gttgaaagta	ggatttgctt	cataaaaagtc	acaatttgaa	ttcatttttg	cttttaaatac	1860
cagccaacct	tttctgtctt	aaaaggaaaa	aaaaaa			1896

<210> 370  
 <211> 2827  
 <212> DNA  
 <213> Homo sapiens

<400> 370	tgccgatgct	actgtttaat	tgcaggaggt	gggggtgtgt	gtaccatgta	ccagggttat	60
	tagaagcaag	aaggaaggag	ggagggcaga	gcgccctgct	gagcaacaaa	ggactcctgc	120
	agccttctct	gtctgtctct	tggcacaggc	acatggggag	gcctcccgca	gggtggggggc	180
	caccagtcca	gggggtggag	cactacaggg	cacgagttgg	tttgggagct	gccagtctcc	240
	tgggaggatc	gcagtcagca	gagcagggct	gaggcctggg	ggtaggagca	gagcctgcgc	300
	atctggaggc	agcatgtcca	agaaaggag	tggaggtgca	gcgaaggacc	caggggcaga	360
	gccacgctg	gggatggacc	ccttcgagga	cacactgcgg	cggctgcgtg	aggccttcaa	420
	ctgagggcgc	acgcggccgg	ccgagttccg	ggctgcgcag	ctccagggcc	tgggccactt	480
	ccttcaagaa	aacaagcagc	ttctgcgcga	cgtgctggcc	caggacctgc	ataagccagc	540
	tttcgaggca	gacatatctg	agctcactct	ttgccagaac	gaggttgact	acgtctctca	600
	gaaccttcag	gcctggatga	aggatgaacc	acggctccag	aacctgttca	tgaagctgga	660
	ctcggtcttc	atctggaagg	aaccttttgg	cctggctctc	atcatcgcac	cctggaacta	720
	cccattgaac	ctgaccttgg	tgtctctggg	gggcaccttc	cccgcaggga	attgcgtggg	780
	gctgaagccg	tcagaaatca	gccagggcac	agagaaggct	ctggctgagg	tgctgcccc	840
	gtacctggac	cagagctgct	ttgccgtggg	gctgggcgga	ccccaggaga	cagggcagct	900
	gctagagcac	aagttggact	acatcttctt	cacaggagac	cctcgtgtgg	gcaagattgt	960
	catgactgct	gccaccaagc	acctgacgcc	tgtcaccttg	gagctggggg	gcaagaacct	1020
	ctgctacgtg	gacgacaact	gcgaccccca	gaccgtggcc	aaccgcgtgg	cctggttctg	1080
	ctacttcaat	gccggccaga	cctgcgtggc	ccctgactac	gtcctgtgca	gccccgagat	1140
	gcaggagagg	ctgctgcccc	ccctgcagag	caccatcacc	cgtttctatg	gcgacgacct	1200
	ccagagctcc	ccaaacctgg	gccgcatcat	caaccagaaa	cagttccagc	ggctgcgggc	1260
	attgctgggc	tgccggccgc	tggccattgg	gggccagagc	aacgagagcg	atcgctacat	1320
	cgccccacg	gtgctggtgg	acgtgcagga	gacggagcct	gtgatgcagg	aggagatctt	1380
	cgggcccac	ctgcccacgc	tgaacgtgca	gagcgtggac	gaggccatca	agttcatcaa	1440

ccggcaggag	aagccccctgg	ccctgtacgc	cttctccaac	agcagacagg	ttgtgaacca	1500
gatgctggag	cggaccagca	gcggcagctt	tggaggcaat	gagggcttca	cctacatatc	1560
tctgctgtcc	gtgccattcg	ggggagtcgg	ccacagtggg	atggggccggt	accacggcaa	1620
gttcaccttc	gacaccttct	cccaccaccg	cacctgcctg	ctcgccccct	ccggcctgga	1680
gaaattaaag	gagatccgct	accaccecta	taccgactgg	aaccagcagc	tgttacgctg	1740
gggcatgggc	tcccagagct	gcacctcct	gtgagcgtcc	caccgcctc	caacgggtca	1800
cacagagaaa	cctgagtcta	gccatgaggg	gcttatgctc	ccaactcaca	ttgttcctcc	1860
agaccgcagg	ctccccagc	ctcaggttgc	tggagctgtc	acatgactgc	atcctgcctg	1920
ccagggctgc	aaagcaaggt	cttgettcta	tctgggggac	gctgctcgag	agaggccgag	1980
aggccgcaga	acatgccagg	tgtcctcact	cacccacccc	tcccgaattc	cagccctttg	2040
ccctctcggt	caggggttggc	caggcccagt	cacaggggca	gtgtcacct	ggaaaatata	2100
gtgcctgcc	ttcttagggg	catcagccct	gaacggttga	gagcgtggag	ccctccaggc	2160
ctttgctctc	ccctctaggc	acacgcgcac	ttccacctct	gccccatccc	aactgcacca	2220
gcactgcctc	ccccagggat	cctctcacat	cccacactgg	tctctgcacc	acccctctgg	2280
ttcacaccgc	accctgcact	caccacagc	agctccatcc	actgggaaaa	ctggggtttg	2340
catcactcca	ctgcacagt	ttagtgggac	ctgggggcaa	gtcccttgac	ttctctgagc	2400
ctcagtttcc	ttatgtgaaa	gttgctggaa	ccaaaatgga	gtcacttatg	ccaaactcta	2460
ataaaatgga	gtcggggggg	cacatagaag	ccctcacaca	cacatgcccg	taacaggatt	2520
tatcaccaag	acacgcctgc	atgtaagacc	agacacaggg	cgtatggaaa	agcacgtcct	2580
caaagactgt	agtattccag	atgagctgca	gatgcttacc	taccacggcc	gtctccacca	2640
gaaaaccatc	gccaaactcct	gcgatcagct	tgtgacttac	aaaccttggt	taaaagctgc	2700
ttacatggac	ttctgtcctt	taaaacgttc	cccttggtctg	tggccctctg	tgtatgcctg	2760
ggatccttcc	aagcactcat	agcccagata	ggaatcctct	gctcctccca	aataaattca	2820
tctgttc						2827

<210> 371  
 <211> 2738  
 <212> DNA  
 <213> Homo sapiens

<400> 371						
cgcggaattc	cgcggaattc	cgcgccgcgc	cgcgccgcag	acccgcgcct	ccggctccgg	60
ctcggtcgc	tgggtccgg	tgcgcgcga	ggccatgcag	cgccggggcg	ccctgttcgg	120
catgccgggc	ggcagcggag	gcaggaagat	ggctgcagga	gacatcggcg	agctgctagt	180
gccccacatg	cccacgatcc	gcgtgcccg	gtccggcgac	agggctctaca	agaacgagt	240
cgctttctcc	tacgactctc	ccaattctga	aggtggactc	tatgtatgca	tgaatacatt	300
tttggccttt	ggaagggaa	atggtgaaag	acattttcga	aaaactggac	agagtgtata	360
catgcacctg	aaaagacatg	cgcgagagaa	ggtaagaggg	gcgtctggtg	gagcgttacc	420
aaaaaggagg	aattccaaga	tttttttaga	tctagatact	gatgacgatt	taaatagcga	480
cgattatgaa	tatgaagatg	aagccaaact	tgttatattc	ccagatcact	atgaaatagc	540
actaccaa	attgaggagt	taccagccct	ggtaacaatt	gcttgtgatg	cagttctcag	600
ctcaaaatct	ccatacagaa	agcaggaccc	agacacgtgg	gaaaatgaat	tgccagtatc	660
taaatatgcc	aacaacctca	cccagctgga	caatggagtc	aggattcctc	caagtgggtg	720
gaagtgtgcc	agatgcgacc	tgcgagaaaa	cctctggttg	aatctgactg	acggctctgt	780
cctgtgtgga	aagtggttct	ttgacagctc	tgggggcaac	gggcatgcgc	tggagcatta	840
cagagacatg	ggctaccac	tagccgtgaa	actgggaacc	atcactcctg	acggggcaga	900
tgtttattct	tttcaagaag	aagaacctgt	tttggatcct	catttgcca	agcacttagc	960
gcattttgga	attgatatgc	ttcatatgca	tgggacagag	aatgggctcc	aggacaatga	1020
catcaagctg	agggctcagt	agtgggaagt	gatccaggag	tggggcacga	aactgaagcc	1080
aatgtatggt	cctggctaca	cgggtctgaa	gaacctgggc	aacagctgct	atctcagctc	1140
tgtcatgcag	gccatcttca	gcacccaga	attccagaga	gcgtatgtag	gaaaccttcc	1200

cagaatattt	gactactcgc	ctttagatcc	aacacaagat	ttcaacacac	agatgactaa	1260
gttaggacat	ggccttctct	caggccagta	ttcaaagcct	ccggtgaaat	ctgaactcat	1320
tgaacagggtg	atgaaggagg	agcacaagcc	acagcagaac	gggatctctc	cgcgcatgtt	1380
taaggccttt	gtaagcaaga	gccacccgga	attctcctct	aacaggcagc	aagatgccca	1440
ggaattcttc	ttgcacctgg	tgaatctagt	agagaggaac	cgcatcggct	cagaaaaccc	1500
aagcgatgtt	tttcgttttt	tgggtggaaga	acgcattcag	tgctgtcaga	cccggaaagt	1560
ccgctacacg	gagagggtgg	attacctgat	gcagttacct	gtggccatgg	aggcggcaac	1620
caacaaggat	gaactgatcg	cttatgaact	aacgagaagg	gaagcagaag	caaacagaag	1680
accccttcct	gagttggtac	gtgccaagat	accatttagt	gcctgccttc	aggccttctc	1740
tgaaccagaa	aatgttgatg	atttctggag	cagtgcctta	caagcaaagt	ctgcgggtgt	1800
gaaaacatct	cgctttgctt	cattccctga	atacttggtg	gtgcagataa	agaagttcac	1860
ttttggtctt	gactgggttc	ccaaaaaatt	tgatgtttct	attgatatgc	cagacctact	1920
tgatatcaac	catctccgag	ccaggggggt	acagccagga	gaggaagaac	ttccagacat	1980
cagccccccc	atagtcattc	ctgatgactc	aaaagatcgc	ctgatgaacc	aattgataga	2040
cccatcagac	atcgatgagt	catcagtgat	gcagctggcc	gagatgggtt	tcccgtcgga	2100
agcatgtcgc	aaggctgtgt	acttcactgg	aaatatgggc	gccgaggtgg	ccttcaactg	2160
gatcattgtt	cacatggaag	agccagattt	tgctgagccg	ctgacctatg	ctggttatgg	2220
aggggcagct	tctgctggag	cctctgtttt	tgggtgcttct	ggactggata	accaacctcc	2280
agaggaaatc	gtagctatca	tcacctccat	gggatttcag	cgaaatcagg	ctattcaggc	2340
actacgagca	acgaataata	acctggaaaag	agcactggat	tggatcttta	gccacctga	2400
gtttgaagaa	gacagtgatt	ttgtgattga	gatggagaat	aatgccaatg	caaacattat	2460
ttctgaggcc	aagcccgaag	gacctagagt	caaggatgga	tctggaacat	atgagctatt	2520
tgcattcatc	agtcacatgg	gaacatccac	aatgagtggg	cattacattt	gccatatcaa	2580
aaaggaagga	agatgggtga	tttacaatga	ccacaaagtt	tgtgcctcag	aaaggccccc	2640
taaagacctg	ggctacatgt	actttttaccg	caggatacca	agctaaacct	caaataataa	2700
aattggcgaa	aagaagccat	acgccttttt	aatttgcc			2738

<210> 372  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<400> 372	aatgaaatgt	gtacagcttg	ccgtgtttctg	actgtaccct	tccctcttcc	atgtctgaga	60
	atctccgtgt	attttaagaa	tgtgtgagga	gagggtggcg	attcatgttt	caatgagcct	120
	cttttttttt	tttccttccct	gttttggtct	atggctggtc	ttactctgtg	tccatgttcg	180
	gaagctctag	ttttgcatag	aattatagag	atgccaaact	ctttgaaaag	agatccaaat	240
	ttatcgcttg	agagaaagaa	aagaaacact	atTTTTTgta	ttttacctga	gatacagggg	300
	cacaaataga	tgagaatttt	acagtgttag	tgtatgtatc	cctgagccta	aaaaatgagg	360
	atataacctt	ttacagagag	agtgaggcgt	gggtggtttta	tatttatata	tgaaaggcca	420
	gcaagctcat	gcgaaggata	tacttttctt	ccaaaaagcg	gatttttttt	tttttaatgt	480
	ttgaatctat	atttgagatg	ggagtttggt	tggattaaac	atgacacccc	gggtgggcgg	540
	gtgtgtgtct	gttgacatg	gcagggaggg	gagcctcctt	ctcatggggg	tgccatgggtg	600
	atcattgggt	tttccatcaa	aattgcatct	tcatccatag	attaccttcc	ccttccctga	660
	cagtccataa	ccaaaccttt	aaacagaaca	acctctttta	aaacttctct	tgtgttttaac	720
	actttcttca	tgccaacgaa	acagggtaaa	catgctcaaa	acattaacag	tctaaacaga	780
	tatccaaata	ctaagaagaa	aaacaagtta	tagcattttc	aatttttttt	ttttttttta	840
	aaaaagggtt	atagcttttt	cttttcccat	gtcacaatgt	ccacttccta	agaagggttt	900
	aaaatactat	gaaaactttc	tttttgggga	aaatatctat	ttgggtgtttg	acacatcagt	960
	aggtacttta	aagacctgaa	ttttatagta	gctttaggag	ttatatTTTa	taaaaatcag	1020
	ttatgacttt	atatttccag	acaatagaga	gttcagtaca	tcatgctctt	gtgcctctgc	1080

ctgctttttcc	tgcgttccca	cctgtatttc	ccccgcctt	tcgggtttcc	agggtttcga	1140
gcttgatctt	ttgaaagttt	tattctatta	aatttttgc	atattctctg	gttttctgaa	1200
aaagcttttag	aatggtttct	ataccctttg	tatcactgca	tttttccata	tcattctcgg	1260
ttcgaatcgc	tccagatgga	aaacggaagc	agaggcttct	aatcgtcgca	tttactggct	1320
ccagtgaac	acatccatct	gaaaacactc	ggaagtctgg	tgcttggaga	gggtgccatt	1380
gtctcttgta	cataaggtca	tgacgtgtct	atgtcaaaag	ttcttatata	tttcttttat	1440
aagctgaaag	aaggtctatt	tttatgtttt	taggtctatg	aatggaacgt	tgtaaagtct	1500
tgtcaaacaa	taaaaataac	gaaaagtga	aaaaaaaaa	aaaaaaaaa		1548

<210> 373  
 <211> 3768  
 <212> DNA  
 <213> Homo sapiens

<400> 373						
cctctgaccc	ttttggctgc	taggagtcag	ccgactcagt	acacaggact	cactgaatgg	60
agacacaagg	ctcctccagg	gagtgccggc	tcatggcaat	cctagaatgg	tcaccagcca	120
ggcttttagag	accacacag	agggcggtct	gacccaaagt	tgactggggg	aactccaagt	180
ttggggattc	tttgaattta	actctttttc	tagctacatt	tcctattatt	tgtccaattc	240
ttaccaaaca	tctctgttca	cattctgaag	ctgggatctg	actggcagag	ctagtagatg	300
ctgactattc	agatggagcc	ctgacattgg	ctttctcagc	ttggctgtga	ctggcagcag	360
gtttgcggga	gaactgtgtg	tcccagaaca	tgactggcta	cacctgcacc	tcagcaagat	420
tggggcaggg	cagttatctt	caaaaagctg	tgtaggtggg	gcagtcatta	ctgacaaatc	480
cagtgcagac	ccaggatggc	ccaaacactg	gcttatcctt	tctgaatctc	atctcccaca	540
gctgtaaagc	gggggtggtg	tcgctacctc	acagaggtgt	tgtaaagatt	agatgtaatc	600
ttgccaagca	gccactttgt	aaactgtata	gtcttatgca	gatggaagga	agggcctgtg	660
cctaccttga	tcatagcact	aaacaaactg	tactgtattt	tcattcctct	tagttatctc	720
cctaaaaaga	ctctgagttc	cttgaacaca	ggaaggtgtt	ttatttgatt	ttgttatcct	780
cagcatgtag	cagtgtctga	cacacagtag	gtgctctatc	actgtgagag	ggatggatgg	840
atgggtggag	ttacagatgg	atagaaggat	agatggaggg	atgggtggat	gatggatgga	900
tagatggatg	gaggggggat	gatgaatgga	gggataatga	gtggatgaat	gagggatgg	960
gtggatggat	ggatggaggg	atggaggaac	agatagatag	atggagggat	gggtgggtga	1020
tggatggata	gatggatgga	gggagggatg	atgaatggag	ggataatgaa	tggatgaatg	1080
aggggatggg	tggatggatg	aatggagggg	tgatgggtgg	atgaatgaat	tgagggatgg	1140
atggatgaac	acatggatgg	atggatagat	ggatagatgg	aggaactggg	ggattttgga	1200
tggatgggtg	gatggataga	tgaatgaatg	cctggataga	caaagagatg	atggatagat	1260
gaatagatga	attaagggat	gtcggataga	tggagggatt	gatagatgtt	ggatggatgg	1320
gtggtggatg	gatagatgag	tgaatgcatg	gatagacaaa	gagatgatgg	atggatgaat	1380
taagggatga	cagatggatg	gatggatgag	taactggatg	gacaagtgga	taaattggata	1440
gatggttgaa	tacctgaatg	gattgaagga	ggatgcatgg	atgtaagata	aggctaatac	1500
tcctccactc	tctttctttg	caaaaccatc	caccatttta	ctcaataaac	atttattcag	1560
ttcaaaacttg	gcacaaagca	ccatgtgagg	cccaagagat	acgtgggtta	ataaaaacaga	1620
gtcctgccc	tcctgaaaac	tgcaaagaaa	ggggcggtgg	ttcctgagtt	caaataccaa	1680
ctctgccagc	gactagctgt	acatcagtga	tgtttcccta	ctttctctca	attaaatagg	1740
gataatgtca	gtacctatca	cattgggagg	tcttgccggg	attaaatgag	ttaccaaatg	1800
ccaagtgttt	gggacagggc	ctggcaccca	gcaaagtctc	ttgtgagtgc	tggctgctat	1860
tatcctaata	gagaagatgg	catgaaaacc	aggaatagag	atgccctttg	ggaagcaatg	1920
caacaggaac	ttacacaaag	aaaggaaagg	aggaagcaat	tagtggtgtc	tcaaaggagt	1980
atgtcaagaa	aaacttttca	gagggaaacc	tttgagcagg	gccatgaaaa	caggagtctt	2040
ctaagagatt	gtggacttgc	ctgggaccac	ctggctataa	gcacaaaacc	atccggttcc	2100
tttctgtcac	ttctggcggg	tgaggggtct	ctggcaaagg	ggcagaaggt	gcgtgagagg	2160

ttgcgaatgg	caggactgtc	ctggccagcc	ggggcacctg	gtggccaagc	ttagaaacat	2220
gacaggtcct	cttgggaggg	ctgaccgcag	ggagcgttgg	gtttcaggct	gctggcgctcg	2280
gcttctgtgg	tgccctttct	gtcggctatg	agagtcacaga	cagtgcccaa	cctcctcccc	2340
ttctttccac	acgcacaacc	accccacccc	ctgtggcctg	agctgtcctg	cctcgccaca	2400
atggcacctg	ccctaaaata	gcttcccatg	tgagggctag	agaaaggaaa	agattagacc	2460
ctccctggat	gagagagaga	aagtgaagga	gggcagggga	gggggacagc	gagccattga	2520
gcgatctttg	tcaagcatcc	cagaaggtat	aaaaacgccc	ttgggaccag	gcagcctcaa	2580
accccagctg	ttggggccag	gacaccaggt	gagccatac	ttgctctttt	tgtcttcttc	2640
agactgcgcc	atggggctca	gcgacgggga	atggcagttg	gtgctgaacg	tctgggggaa	2700
ggtggaggct	gacatcccg	gccatgggca	ggaagtccctc	atcaggtaaa	aggaagagat	2760
tccattgccc	ctgccaccca	caccctaaga	tcaagggtgt	tcagctgcaa	ggtggaaagt	2820
ttgcacgtgg	ggtaggtcag	ttggctgcat	tagttaaggg	tgtagaacg	gtcacttgct	2880
ttttctttgc	ttttaagtgt	cagggattgg	actcaggaga	gggaaaggag	ccatttcagg	2940
ctgatatcag	cagctggagg	aagcatgaga	atcaaacctc	ggatgctcag	agtcaccag	3000
gaagaatttt	agaattatag	acagtccagag	ttaacaaggg	tcctgagaga	ttttgtacag	3060
ccacctctct	tacaggatga	ggacaaaaag	cgactgagaa	ggggaggaca	tttcagaggt	3120
cacagctcat	taaatgctct	taaagtgtca	aggtaagac	atgctcttca	aggggagaca	3180
gatctggttc	tagacttggc	tctgccactg	agccactggg	tgacctttgg	gaaggtaactc	3240
aacctctcgg	agcctcaatt	tcctctcctg	tacagtgagg	ggatatccta	atatctatat	3300
cctagaggag	atgtgagaat	taaataaaat	aatgcatgca	agaggcctgg	catggttcct	3360
ggcatatact	gagtcctaga	aatgttagta	gctattactg	atgaagccca	ggctagggac	3420
ctttcaaagc	attgcaatta	gagaacagaa	gatagaggct	cattagtgc	cttcgatgtt	3480
gagtatgtct	ctagtttgag	aggtctgaat	gatgtgggtct	gcaagtatat	cctgccttct	3540
accacaaggg	attccagaat	acaccaaaga	aaacaaaatt	ctgaggtttg	taaatagagg	3600
gtggctgtgg	ttgtacata	gaagctcatc	tcctcgttgc	cttctatccc	aaaggtgata	3660
cactcttctc	ttggcccctt	ccctcaccat	tctgagctgg	ttccctcaga	agtctaatag	3720
gttaagaatc	aacgtttctg	ccaacgggag	gaaggaagtg	ggcgcggg		3768

<210> 374  
 <211> 1172  
 <212> DNA  
 <213> Homo sapiens

<400> 374						
gagacattcc	tcaattgctt	agacatattc	tgagcctaca	gcagaggaac	ctccagtctc	60
agcaccatga	atcaaactgc	gattctgatt	tgctgcctta	tctttctgac	tctaagtggc	120
attcaaggag	tacctctctc	tagaacgta	cgctgtacct	gcacagcat	tagtaatcaa	180
cctgttaatc	caagggtctt	agaaaaactt	gaaattattc	ctgcaagcca	atthttgtcca	240
cggtgttgaga	tcattgctac	aatgaaaaag	aagggtgaga	agagatgtct	gaatccagaa	300
tcgaaggcca	tcaagaattt	actgaaagca	gttagcaagg	aaatgtctaa	aagatctcct	360
taaaaccaga	ggggagcaaa	atcgatgcag	tgcttccaag	gatggaccac	acagaggctg	420
cctctcccat	cacttcccta	catggagtat	atgtcaagcc	ataattgttc	ttagtttgca	480
gttacactaa	aagggtacca	atgatgggtc	ccaaatcagc	tgctactact	cctgtaggaa	540
ggttaatgtt	catcatccta	agctattcag	taataactct	accctggcac	tataatgtaa	600
gctctactga	ggtgctatgt	tcttagtgga	tgttctgacc	ctgcttcaaa	tatttccctc	660
acctttccca	tcttccaagg	gtactaagga	atctttctgc	tttgggggtt	atcagaattc	720
tcagaatctc	aaataactaa	aagggtatgc	atcaaactct	cttttttaag	aatgctcttt	780
acttcatgga	cttccactgc	catcctccca	aggggcccac	attctttcag	tggtaccta	840
catacaattc	caaacacata	caggaaggta	gaaatatctg	aaaatgtatg	tgtaagtatt	900
cttatttaat	gaaagactgt	acaaagtata	agtcttagat	gtatatattt	cctatattgt	960
tttcagtgtg	catggaataa	catgtaatta	agtactatgt	atcaatgagt	aacaggaaaa	1020

ttttaaaaaat	acagatagat	atatgctctg	catgtttacat	aagataaatg	tgctgaatgg	1080
ttttcaaata	aaaatgaggt	actctcctgg	aaatattaag	aaagactatc	taaatgttga	1140
aagatcaaaa	ggttaataaa	gtaattataa	ct			1172

<210> 375  
 <211> 1550  
 <212> DNA  
 <213> Homo sapiens

<400> 375	tcaacgcctg	cctccccctg	agcgtcctca	gcgcagccgc	cgcccgcgga	gccagcacga	60
	acgagcccag	caccggcccg	atggagcgtc	cgcaaccgca	cagcatgccc	caggatttgt	120
	cagaggccct	gaaggaggcc	accaaggagg	tgacacacca	ggcagagaat	gctgagttca	180
	tgaggaaactt	tcagaagggc	caggtgaccc	gagacggcct	caagctgggtg	atggcctccc	240
	tgtaccacat	ctatgtggcc	ctggaggagg	agattgagcg	caacaaggag	agcccagtct	300
	tcgccccctgt	ctacttccca	gaagagctgc	accgcaaggc	tgccctggag	caggacctgg	360
	ccttctggta	cgggccccgc	tggcaggagg	tcatccccta	cacaccagcc	atgcagcgct	420
	atgtgaagcg	gctccacgag	gtggggcgca	cagagcccga	gctgctgggtg	gccacgcct	480
	acaccgccta	cctgggtgac	ctgtctgggg	gccaggtgct	caaaaagatt	gccagaaaag	540
	ccctggacct	gccagctct	ggcgagggcc	tggccttctt	caccttcccc	aacattgccca	600
	gtgccacca	gttcaagcag	ctctaccgct	cccgcatgaa	ctccctggag	atgactcccc	660
	cagtcaggca	gagggtgata	gaagaggcca	agactgcgtt	cctgctcaac	atccagctct	720
	ttgaggagtt	gcaggagctg	ctgacctatg	acaccaagga	ccagagcccc	tcacggggcac	780
	cagggcttcg	ccagcggggc	agcaacaaag	tgcaagattc	tgcccccggtg	gagactccca	840
	gaggggaagcc	cccactcaac	acccgctccc	aggctccgct	tctccgatgg	gtccttacac	900
	tcagctttct	ggtggcgaca	gttgctgtag	ggctttatgc	catgtgaatg	caggcatgct	960
	ggctcccagg	gccatgaact	ttgtccgggtg	gaaggccttc	tttctagaga	gggaattctc	1020
	ttggctggct	tccttaccgt	gggcaactgaa	ggctttcagg	gcctccagcc	ctctcactgt	1080
	gtccctctct	ctggaaagga	ggaaggagcc	tatggcatct	tccccaacga	aaagcacatc	1140
	caggcaatgg	cctaaacttc	agagggggcg	aaggggtcag	ccctgccctt	cagcatcctc	1200
	agttcctgca	gcagagcctg	gaagacaccc	taatgtggca	gctgtctcaa	acctccaaaa	1260
	gccttgagtt	tcaagtatcc	ttgttgacac	ggccatgacc	actttccccg	tggggccatgg	1320
	caattttttac	acaaacctga	aaagatgttg	tgtcttgtgt	ttttgtctta	tttttgttgg	1380
	agccactctg	ttcctggctc	agcctcaa	gagtatctt	tggtgtgttc	tggtgttttt	1440
	atagcagggt	tgggggtggt	tttgagccat	gcgtgggtgg	ggaggaggt	gtttaacggc	1500
	actgtggcct	tgggtctaact	tttgtgtgaa	ataataaaca	acattgtctg		1550

<210> 376  
 <211> 1585  
 <212> DNA  
 <213> Homo sapiens

<400> 376	acagcagtta	cactgcggcg	ggcgtctgtt	ctagtgtttg	agccgtcgtg	cttcaccggg	60
	ctacctcgct	agcatgtcgg	gccgcggcaa	gactggcggc	aaggcccgcg	ccaaggccaa	120
	gtcgcgctcg	tcgcgcgccc	gcctccagtt	cccagtgggc	cgtgtacacc	ggctgctgcg	180
	gaaggggccac	tacgccgagc	gcgttggcgc	cgccgcgcca	gtgtacctgg	cggcagtgct	240
	ggagtacctc	accgctgaga	tcctggagct	ggcgggcaat	gcggcccgcg	acaacaagaa	300
	gacgcgaatc	atcccccgcc	acctgcagct	ggccatccgc	aacgacgagg	agctcaacaa	360
	gctgtggggc	ggcgtgacga	tcgcccaggg	aggcgtcctg	cccaacatcc	aggccgtgct	420
	gctgcccag	aagaccagcg	ccaccgtggg	gccgaaggcg	ccctcggggc	gcaagaaggc	480
	caccagggcc	tcccaggagt	actaagaggg	cccgcgcgcg	ggccggccgc	cccagctccc	540
	catgccacca	caaaggccct	tttaagggcc	accaccgccc	tcatggaaag	agctgagccg	600
	cttcagactg	cggggcaagc	gggccgcggc	tcccttcccc	tcccttcccc	tcgcccgcct	660
	tcgcccgcgc	gcctcgagtc	cccgcgcgcg	cccgtccccg	tccgcacccg	cctgcgcgct	720

```

cggcctcggg cctgccctgt ccgccgtccg ccctccggta gggttcgggc cttccggatg 780
cggcttgggc gctcttcggg gacctccgtg gcgcggaaga cccgagcctg ccggggggag 840
gccggcggcg ccgcacctgc ccgcctcggc gtctctgact cagccgcccc atcccagatc 900
gctaaggggc tgcggggagg ccgcagcacc ttctggaaga cttggccttc cgctctgacg 960
cagggccgag gtgggcagtc cagggccgaga gccggcggcc ctgaagggtga gtgaggccct 1020
cggcagctgc agccgggggtg tctgggtaccc ccccggcgtg gtgcttagcc caggactttc 1080
agacggccgc tggccgggag gctttgggtg gagagacgcg atcgccgatt tcggtctggc 1140
gcccccttctg cggccgggac ccaggccttt cacatcagct ctccctccat cttcattcat 1200
aggtctgcgc tggggccggg acgaagcact tggtaacagg cacatcttcc tcccagagtga 1260
ctgcctccta ggaggacatt taggggaggg cagaggcctg cagtttggct tcacggctgg 1320
ctatgtggac agcaagagtc gttttgcgga acgcgactgg cagccaggcc tgtcgggccc 1380
ccgacgccgc cccatttccc ttccagcaaa ctcaactcgg caatccaagc acctagatac 1440
cagcacaagt cggttaatcc ctgtctggac tgagcctcgg ttggcttctg aactggaatt 1500
ctgcagctaa cccttccacg actagaacct taggcattgg ggagttttag atggactaat 1560
tttattaaag gattgttttt ttttt 1585

```

```

<210> 377
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<400> 377
agtctccggc gagttgttgc ctgggctgga cgtggttttg tctgctgcgc ccgctcttcg 60
cgctctcggt tcattttctg cagcgcgcca cgaggatggc ccacaagcag atctactact 120
cggacaagta cttcgacgaa cactacgagt accggcatgt tatgttacct agagaacttt 180
ccaaacaagt acctaaaact catctgatgt ctgaagagga gtggaggaga cttggtgtcc 240
aacagagtct aggtctgggtt cattacatga ttcatgagcc agaaccacat attcttctct 300
ttagacgacc tcttccaaaa gatcaacaaa aatgaagtgt atctggggat cgtcaaatct 360
ttttcaaatt taatgtatat gtgtatataa ggtagtattc agtgaatact tgagaaatgt 420
acaaatcttt catccatacc tgtgcatgag ctgtattctt cacagcaaca gagctcagtt 480
aatgcaact gcaagtaggt tactgtaaga tgtttaagat aaaagttctt ccagtcagtt 540
tttctcttaa gtgcctgttt gagtttactg aaacagttta cttttgttca ataaagtttg 600
tatgttgcac ttaaaaaaaa aaaaaaa 627

```

```

<210> 378
<211> 2161
<212> DNA
<213> Homo sapiens

```

```

<400> 378
gggcgatcct gccggagccc cgcgcgccgc ggcttggatt ctgaaacctt ctttgtatcc 60
ctcctgagac atctttgctg caagatcgag gctgtcctct ggtgagaagg tggtagggt 120
tcccgctata ttccagctct gaacagcaac atggggtgca aagtcctgct caacattggg 180
cagcagatgc tgcggcggaa ggtgggtggac tgtagcccgg aggagacgcg gctgtctcgc 240
tgctgaaca cttttgatct ggtggccctc ggggtgggca gcacactggg tgctggtgtc 300
tacgtcctgg ctggagctgt ggcccgtgag aatgcaggcc ctgccattgt catctccttc 360
ctgatcgctg cgctggcctc agtgcctggc ggccgtgtgt atggcgagtt tgggtgctcg 420
gtccccaaga cgggctcagc ttacctctac agctatgtca ccgttggaga gctctgggcc 480
ttcatcaccg gctggaactt aatcctctcc tacatcatcg gtacttcaag cgtagcgagg 540
gcctggagcg ccaccttcga cgagctgata ggcagacca tcggggagtt ctacggaca 600
cacatgactc tgaacgcccc cggcgtgctg gctgaaaacc ccgacatatt cgcagtgatc 660
ataattctca tcttgacagg acttttaact cttggtgtga aagagtcggc catggtcaac 720
aaaatattca cttgtattaa cgtcctggtc ctgggcttca taatggtgtc aggatttgtg 780
aaaggatcgg ttaaaaactg gcagctcacg gaggaggatt ttgggaacac atcaggccgt 840

```

ctctgtttga	acaatgacac	aaaagaaggg	aagccccggtg	ttggtggatt	catgcccttc	900
gggttctctg	gtgtcctgtc	gggggcagcg	acttgcttct	atgccttcgt	gggctttgac	960
tgcacgcca	ccacaggtga	agaggtgaag	aaccacaga	aggccatccc	cgtggggatc	1020
gtggcgccc	tcttgatctg	cttcacgcc	tactttgggg	tgteggctgc	cctcacgctc	1080
atgatgccct	acttctgcct	ggacaataac	agccccctgc	ccgacgcctt	taagcacgtg	1140
ggctgggaag	gtgccaaagta	cgcagtgccc	gtgggctccc	tctgtgctct	ttccgccagt	1200
cttctaggtt	ccatgtttcc	catgcctcgg	gttatctatg	ccatggctga	ggatggactg	1260
ctatttaaat	tcttagccaa	cgtcaatgat	aggacaaaa	caccaataat	cgccacatta	1320
gcctcgggtg	ccgttgctgc	tgtgatggcc	ttcctctttg	acctgaagga	cttgggtggac	1380
ctcatgtcca	ttggcactct	cctggcttac	tcgttggtgg	ctgcctgtgt	gttggcttta	1440
cggtagcagc	cagagcagcc	taacctggta	taccagatgg	ccagtacttc	cgacgagtta	1500
gatccagcag	acaaaatga	attggcaagc	accaatgatt	cccagctggg	gtttttacca	1560
gaggcagaga	tgttctcttt	gaaaaccata	ctctcaccca	aaaacatgga	gccttccaaa	1620
atctctgggc	taattgtgaa	catttcaacc	agccttatag	ctgttctcat	catcaccttc	1680
tgcattgtga	ccgtgcttgg	aaggagggt	ctcaccaaag	gggcgctgtg	ggcagtcctt	1740
ctgctcgag	ggctctgccct	cctctgtgcc	gtggctacgg	gcgtcatctg	gaggcagccc	1800
gagagcaaga	ccaagctctc	atttaagggt	cccttctctg	cagtgtctcc	catcctgagc	1860
atcttcgtga	acgtctatct	catgatgcag	ctggaccagg	gcacctgggt	ccggtttgct	1920
gtgtggatgc	tgataggctt	catcatctac	tttggtatg	gcctgtggca	cagcgaggag	1980
gcgtccctgg	atgccgacca	agcaaggact	cctgacggca	acttggacca	gtgcaagtga	2040
cgcacagccc	cgccccccgg	aggtggcagc	agccccgagg	gacgccccca	gaggaccggg	2100
aggcacccca	ccctccccac	cagtgaaca	gaaaccacct	gcgtccacac	cctcactgca	2160
g						2161

<210> 379  
 <211> 2824  
 <212> DNA  
 <213> Homo sapiens

<400> 379	gcggccgctt	tcgatttcgc	tttcccctaa	atggctgagc	ttctcgccag	cgcaggatca	60
	gcctgttctt	gggactttcc	gagagccccg	ccctcggttc	ctccccagc	cgccagtagg	120
	ggaggactcg	gcgggtaccg	gagcttcagg	ccccaccggg	gcgcggagag	tcccagaccc	180
	ggccgggacc	gggacggcgt	ccgagtcca	atggctagct	ctaggtgtcc	cgctccccgc	240
	gggtgccgct	gcctccccgg	agcttctctc	gcatggctgg	ggacagtact	gctacttctc	300
	gccgactggg	tgctgctccg	gaccgcgctg	ccccgcata	tctccctgct	ggtgcccacc	360
	gcgtgccac	tgctccgggt	ctgggcgggtg	ggcctgagcc	gctgggcccgt	gctctggctg	420
	ggggcctgcg	gggtcctcag	ggcaacgggt	ggctccaaga	gcgaaaacgc	aggtgcccgag	480
	ggctggctgg	ctgctttgaa	gccattagct	gcggcactgg	gcttggccct	gccgggactt	540
	gccttgttcc	gagagctgat	ctcatgggga	gcccccggtt	ccgcggatag	caccaggcta	600
	ctgcactggg	gaagtcaccc	taccgccttc	gttgtcagtt	atgcagcggc	actgcccga	660
	gcagccctgt	ggcacaaact	cgggagcctc	tgggtgcccg	gcggtcaggg	cggctctgga	720
	aacctgtgc	gtcggcttct	aggctgcctg	ggctcggaga	cgcgccgcct	ctcgtgttc	780
	ctggtcctgg	tggtcctctc	ctctcttggg	gagatggcca	ttccattctt	tacgggccgc	840
	ctcactgact	ggattctaca	agatggctca	gccgatacct	tactcga	cttaactctc	900
	atgtccattc	tcaccatagc	cagtgcagtg	ctggagttcg	tgggtgacgg	gatctataac	960
	aacaccatgg	gccacgtgca	cagccacttg	cagggagagg	tggttggggc	tgctctgcgc	1020
	caggagacgg	agtttttcca	acagaaccag	acaggttaaca	tcatgtctcg	ggtaacagag	1080
	gacacgtcca	ccctgagtga	ttctctgagt	gagaatctga	gcttatttct	gtggtacctg	1140
	gtgcgaggcc	tatgtctctt	ggggatcatg	ctctggggat	cagtgtccct	caccatggctc	1200
	accctgatca	ccctgcctct	gcttttctct	ctgcccaaga	aggtgggaaa	atggtaccag	1260



ttgctggaag	tgcaggtgcg	ggaatctctg	gcaaagtcca	gccaggtggc	cattgaggct	1320
ctgtcggcca	tgctacagt	tcgaagcttt	gccaacgagg	agggcgaagc	ccagaagttt	1380
agggaaaagc	tgcaagaaat	aaagacactc	aaccagaagg	aggctgtggc	ctatgcagtc	1440
aactcctgga	ccactagtat	ttcaggtatg	ctgctgaaag	tgggaatcct	ctacattggt	1500
gggcagctgg	tgaccagtgg	ggctgtaagc	agtgggaacc	ttgtcacatt	tgttctctac	1560
cagatgcagt	tcacccaggc	tgtggaggta	ctgctctcca	tctaccccag	agtacagaag	1620
gctgtgggct	cctcagagaa	aatatttgag	tacctggacc	gcacccctcg	ctgcccaccc	1680
agtggctctgt	tgactccctt	acacttggag	ggccttgtcc	agttccaaga	tgtctccttt	1740
gcctacccaa	accgcccaga	tgtcttagtg	ctacaggggc	tgacattcac	cctacgccct	1800
ggcgaggtga	cggcgctggt	gggacccaat	gggtctggga	agagcacagt	ggctgccctg	1860
ctgcagaatc	tgtaccagcc	caccggggga	cagctgctgt	tggatgggaa	gccccctccc	1920
caatatgagc	accgctacct	gcacaggcag	gtggctgcag	tgggacaaga	gccacaggta	1980
tttggaaagaa	gtcttcaaga	aaatattgcc	tatggcctga	cccagaagcc	aactatggag	2040
gaaatcacag	ctgctgcagt	aaagtctggg	gcccatagtt	tcctctctgg	actccctcag	2100
ggctatgaca	cagaggtaga	cgaggctggg	agccagctgt	caggggggtca	gcgacaggca	2160
gtggcgcttg	cccagcatt	gatccggaaa	ccgtgtgtac	ttatcctgga	tgatgccacc	2220
agtgccctgg	atgcaaacag	ccagttacag	gtggagcagc	tcctgtacga	aagccctgag	2280
cggctactccc	gctcagtgtc	tctcatcacc	cagcacctca	gcctggtgga	gcaggctgac	2340
cacatcctct	ttctggaagg	aggcgctatc	cgggaggggg	gaaccaccca	gcagctcatg	2400
gagaaaaagg	ggtgctactg	ggccatgggtg	caggctcctg	cagatgtctc	agaatgaaag	2460
ccttctcaga	cctgcgcact	ccatctccct	cccttttctt	ctctctgtgg	tggagaacca	2520
cagctgcaga	gtagcagctg	cctccaggat	gagttacttg	aaatttgcct	tgagtgtggt	2580
acctcctttc	caagctcctc	gtgataatgc	agacttcctg	gagtacaaac	acaggatttg	2640
taattcctac	tgtaacggag	tttagagcca	gggctgatgc	tttgggtgtg	ccagcactct	2700
gaaactgaga	aatgttcaga	atgtacggaa	agatgatcag	ctattttcaa	cataactgaa	2760
ggcatatgct	ggcccataaa	caccctgtag	gttcttgata	tttataataa	aattgggtgt	2820
ttgt						2824

<210> 380  
 <211> 2436  
 <212> DNA  
 <213> Homo sapiens

<400> 380						
aaggcacctc	tgccgccaca	gaccttgcag	ttaaactccgc	cctgaccac	ccttcccgat	60
gcagtccctg	atgcaggctc	ccctcctgat	cgccctgggc	ttgcttctcg	cgacccctgc	120
gcaagcccac	ctgaaaaagc	catcccagct	cagtagcttt	tcctgggata	actgtgatga	180
agggaaaggac	cctgcggtga	tcagaagcct	gactctggag	cctgaccca	tcgtcgttcc	240
tggaaatgtg	accctcagtg	tcgtgggcag	caccagtgtc	cccctgagtt	ctcctctgaa	300
ggtggatttta	gttttgagga	aggaggtggc	tggcctctgg	atcaagatcc	catgcacaga	360
ctacattggc	agctgtacct	ttgaacactt	ctgtgatgtg	cctgacatgt	taattcctac	420
tggggagccc	tgcccagagc	ccctgcgtac	ctatgggctt	ccttgccact	gtcccttcaa	480
agaaggaacc	tactcactgc	ccaagagcga	attcgttgtg	cctgacctgg	agctgcccag	540
ttggctcacc	accgggaact	accgcataga	gagcgtcctg	agcagcagtg	ggaagcgtct	600
gggctgcac	aagatcgctg	cctctctaaa	gggcatataa	catggcatct	gccacagcag	660
aatggagcgg	tgtgaggaag	gtcccttttc	ctctgttttg	tgtttgccaa	ggccaaactc	720
ccactctctg	cccccttta	atcccccttc	tacagtgagt	ccactaccct	cactgaaaat	780
cattttgtac	cacttacatt	ttaggctggg	gcaagcagcc	ctgacctaa	ggagaatgag	840
ttggacagtt	cttgatagcc	cagggcatct	gctgggctga	ccacgttact	catccccgtt	900
aacattctct	ctaaagagcc	tcgttcattt	caaagcagtg	taaggaatgg	gaaccagagt	960
gttttaggac	ctgaagaatc	tttatgactc	tctctctttc	actctttttt	ttttttgtca	1020

ctaagttaaa	agcgaagtga	gagtattaac	gtttttgttc	tcctccggcc	ccctgttaca	1080
atgaaggggc	aaaagtattt	gctcttagtc	tattcctccc	ttaacttctg	tgactaattt	1140
ttatttcctt	tctagatttg	cccaattaat	actagggtgc	agtgtatcct	ggagaggtag	1200
ggtgtgtggg	ggaggaatcc	cttgggggag	atattaggag	tgctctgttg	ttacaaaact	1260
cacggtaccc	gcagggccta	gcaagagact	taaatgactg	ataagaaccg	tgagaaacat	1320
gttgcttcca	ggcttgattt	cgatttttctg	cttttttttt	ttttgagaca	gaatctcact	1380
ttgtcaccag	gctggagtgc	agtggtgcaa	tctcacctca	ctgcaacctc	cgctcctcgg	1440
gttcaagcaa	ttctcctgcc	tcagcctccc	aagtagcttg	gactacaggc	cctgccacca	1500
cgcccggcta	atttgtgtat	ttttagtaga	gatgggggtt	caccatgttg	gccaggatgg	1560
tctcgatctc	ttgacctcgt	gatctgtcca	ccttggcctt	gcaaagcgct	ggattacagg	1620
catgagccac	tacaccacgc	cgatttttcc	tttttgatta	aagatgctat	tacaatgtaa	1680
atatttctta	cacagaaagt	cacagcacat	gtgcccattg	atacaaggct	gctgaggcct	1740
ggtctccagt	tggaaatata	attaagggtg	gcaaggactg	gagtcagttg	gagagtgcac	1800
agccagctctg	tgaagacaac	tgccagatac	tggcaatact	ccagcctggg	gacagagtga	1860
gactctgtct	caaaaaaaaa	gtttcaatgt	ttactcctag	agaagccaaa	aatccagatt	1920
tgtatatgaa	atcttaccat	tttaaaagat	tggcagctaa	ttattttttt	aaaaagctgt	1980
gcagtgtgat	gtgtcccaaa	cggactggct	catgggtggc	cacgtcacia	cctctgatct	2040
cagaccgtgc	atgccttgct	ctcttaagac	aactcctgtg	gcaccgtttc	tcctccaca	2100
gggccaagc	catagtgtcc	ggtcccaagg	acaaggctct	tccagtgtca	ggagaggtag	2160
gagcagctc	tcacctgtga	gctgtgggga	tcacaaggct	gcctgcctca	gtcttgaggt	2220
cctgttgggt	gaatgaggca	gatgggaaag	agcctcacca	gcagctgctt	ttggagcagg	2280
ggtccaagga	agagaggggtg	gcctcgacat	caaactgcct	ggatttttct	accaccctgt	2340
tacatcataa	caacttctga	aacacacacc	agccctgagt	tctgggctca	tttgaagcct	2400
ggaatagcaa	taaatctttt	taacttgccg	acagtt			2436

<210> 381  
 <211> 5434  
 <212> DNA  
 <213> Homo sapiens

<400> 381						
cgctccgctg	gggggggtgt	gtgcccgcct	tgcgcatgcg	tgctccctgg	gcatggccgg	60
ctccgttcca	tccttctgca	caggggtatcg	cctctctccg	tttggtagat	cccctcctcc	120
cccacgcccg	gactgggggtg	gtagacgcgc	ctccgctcat	cgccctccc	catcggtttc	180
cgcgcgaaaa	gccggggcgc	ctgcgctgcc	gccgcccgt	ctgctgaagc	ctccgagatg	240
ccggcgcgta	ccgccccagc	ccgggtgcc	acactggccg	tcccggccat	ctcgtgcc	300
gacgatgtcc	gcaggcggct	caaagatttg	gaaagagaca	gcttaacaga	aaaggaatgt	360
gtgaaggaga	aattgaatct	cttgacgaa	tttctgcaaa	cagaaataaa	gaatcagtta	420
tgtgacttgg	aaaccaaatt	acgtaaagaa	gaattatccg	aggagggtca	cctggctaaa	480
gtcaaatccc	ttttaataaa	agatttgtcc	ttggagaacg	gtgctcatgc	ttacaaccgg	540
gaagtgaatg	gacgtctaga	aaacgggaac	caagcaagaa	gtgaagcccg	tagagtggga	600
atggcagatg	ccaacagccc	ccccaaaccc	ctttccaaac	ctcgcacgcc	caggaggagc	660
aagtccgatg	gagaggctaa	gcctgaacct	tcacctagcc	ccaggattac	aaggaaaagc	720
accaggcaaa	ccaccatcac	atctcatttt	gcaaagggcc	ctgccaaacg	gaaacctcag	780
gaagagtctg	aaagagccaa	atcggtatg	tccatcaagg	aagaagacaa	agaccaggat	840
gagaagagac	gtagagttac	atccagagaa	cgagttgcta	gaccgcttcc	tgacagaagaa	900
cctgaaagag	caaaatcagg	aacgcgcact	gaaaaggaag	aagaaagaga	tgaaaaagaa	960
gaaaagagac	tccgaagtca	aaccaaagaa	ccaacaccca	aacagaaact	gaaggaggag	1020
ccggacagag	aagccagggc	aggcgtgcag	gctgacgagg	acgaagatgg	agacgagaaa	1080
gatgagaaga	agcacagaag	tcaacccaaa	gatctagctg	ccaaacggag	gcccgaagaa	1140
aaagaacctg	aaaaagtaaa	tccacagatt	tctgatgaaa	aagacgagga	tgaaaaggag	1200

gagaagagac	gcaaaacgac	ccccaagaa	ccaacggaga	aaaaaatggc	tcgcgccaaa	1260
acagtcatga	actccaagac	ccaccctccc	aagtgcattc	agtgcgggca	gtacctggac	1320
gaccctgacc	tcaaatatgg	gcagcaccca	ccagacgcgg	tggatgagcc	acagatgctg	1380
acaaatgaga	agctgtccat	ctttgatgcc	aacgagtctg	gctttgagag	ttatgaggcg	1440
cttccccagc	acaaactgac	ctgcttcagt	gtgtactgta	agcacgggtca	cctgtgtccc	1500
atcgacaccg	gcctcatcga	gaagaatatc	gaactcttct	tttctggttc	agcaaaacca	1560
atctatgatg	atgacccgtc	tcttgaaggt	ggtgttaatg	gcaaaaatct	tggccccata	1620
aatgaatggg	ggatcactgg	ctttgatgga	ggtgaaaagg	ccctcatcgg	cttcagcacc	1680
tcatttgccg	aatacattct	gatggatccc	agtcccgagt	atgcgcccac	atgtgggctg	1740
atgcaggaga	agatctacat	cagcaagatt	gtggtggagt	tcctgcagag	caattccgac	1800
tcgacctatg	aggacctgat	caacaagatc	gagaccacgg	ttcctccttc	tggcctcaac	1860
ttgaaccgct	tcacagagga	ctccctcctg	cgacacgcgc	agtttgtggg	ggagcaggtg	1920
gagagttaatg	acgaggccgg	ggacagtgat	gagcagccca	tcttcctgac	gccctgcatg	1980
cgggacctga	tcaagctggc	tggggtcacg	ctgggacaga	ggcgagccca	ggcgaggcgg	2040
cagaccatca	ggcattctac	caaggagaa	gacaggggac	ccacgaaagc	caccaccacc	2100
aagctgggtc	accagatctt	cgatactttc	ttcgcagagc	aaattgaaaa	ggatgacaga	2160
gaagacaagg	agaacgcctt	taagcgccgg	cgatgtggcg	tctgtgaggt	gtgtcagcag	2220
cctgagtgtg	ggaaatgtaa	agcctgcaag	gacatggtta	aatttgggtg	cagtggacgg	2280
agcaagcagg	cttgccaaga	gcggaggtgt	cccaatatgg	ccatgaagga	ggcagatgac	2340
gatgaggaag	tcgatgataa	catcccagag	atgccgtcac	ccaaaaaat	gcaccagggg	2400
aagaagaaga	aacagaacaa	gaatcgcatc	tcttggtcgg	gagaagccgt	caagactgat	2460
gggaagaaga	gttactataa	gaaggtgtgc	attgatgcgg	aaaccctgga	agtgggggac	2520
tgtgtctctg	ttattccaga	tgattcctca	aaaccgctgt	atctagcaag	ggtcacggcg	2580
ctgtgggagg	acagcagcaa	cgggcagatg	tttcacgccc	actggttctg	cgctgggaca	2640
gacacagtcc	tcggggccac	gtcggaccct	ctggagctgt	tcttggtgga	tgaatgtgag	2700
gacatgcagc	tttcatatat	ccacagcaaa	gtgaaagtca	tctacaaagc	cccctccgaa	2760
aactgggcca	tggagggagg	catggatccc	gagtccctgc	tggaggggga	cgacgggaag	2820
acctacttct	accagctgtg	gtatgatcaa	gactacgcga	gattcgagtc	ccctccaaaa	2880
accagccaa	cagaggacaa	caagttcaaa	ttctgtgtga	gctgtgcccg	tctggctgag	2940
atgaggcaaa	aagaaatccc	cagggctcctg	gagcagctcg	aggacctgga	tagccgggtc	3000
ctctactact	cagccaccaa	gaacggcatc	ctgtaccgag	ttggtgatgg	tgtgtacctg	3060
ccccctgagg	ccttcacggt	caacatcaag	ctgtccagtc	ccgtgaaacg	cccacggaag	3120
gagcccggtg	atgaggacct	gtaccacagag	cactaccgga	aatactccga	ctacatcaaa	3180
ggcagcaacc	tggatgcccc	tgagccctac	cgaattggcc	ggatcaaaga	gatcttctgt	3240
cccaagaaga	gcaacggcag	gcccattgag	actgacatca	aaatccgggt	caacaagttc	3300
tacaggcctg	agaacaccca	caagtccact	ccagcgagct	accacgcaga	catcaacctg	3360
ctctactgga	gcgacgagga	ggccgtgggtg	gacttcaagg	ctgtgcaggg	ccgctgcacc	3420
gtggagtatg	gggaggacct	gcccagagtgc	gtccaggtgt	actccatggg	cggccccaac	3480
cgcttctact	tcttcgaggg	ctataatgca	aagagcaaaa	gctttgaaga	tcttcccaac	3540
catgcccgtg	gccctggaaa	caaaggggaa	ggcaagggaa	aaggggaagg	caagcccaag	3600
tcccaagcct	gtgagccgag	cgagccagag	atagagatca	agctgcccaa	gctgcggacc	3660
ctggatgtgt	tttctggctg	cgggggggtt	tcggagggat	tccaccaagc	aggcatctct	3720
gacacgtgtg	gggccatcga	gatgtgggac	cctgcggccc	aggcgttccg	gctgaacaac	3780
cccggctcca	cagtgttcac	agaggactgc	aacatcctgc	tgaagctggg	catggctggg	3840
gagaccacca	actcccgcgg	ccagcggctg	ccccagaagg	gagacgtgga	gatgctgtgc	3900
ggcggggcgc	cctgccaggg	cttcagcggc	atgaaccgct	tcaattcgcg	cacctactcc	3960
aagttcaaaa	actctctggg	ggtttccttc	ctcagctact	gcgactacta	ccggccccgg	4020
ttcttctctc	tggagaatgt	caggaacttt	gtctccttca	agcgctccat	ggtcctgaag	4080

ctcaccctcc	gctgcctggt	ccgcatgggc	tatcagtgca	ccttcggcgt	gctgcaggcc	4140
ggtcagtacg	gcgtggccca	gactaggagg	cgggccatca	tcctggccgc	ggccccctgga	4200
gagaagctcc	ctctgttccc	ggagccactg	cacgtgtttg	ctccccgggc	ctgccagctg	4260
agcgtggtgg	tggatgacaa	gaagtttgtg	agcaacataa	ccagggttgag	ctcgggtcct	4320
ttccggacca	tcacgggtgcg	agacacgatg	tccgacctgc	cggagggtgcg	gaatggagcc	4380
tcgggactgg	agatctccta	caacggggag	cctcagtcct	ggttccagag	gcagctccgg	4440
ggcgcacagt	accagcccat	cctcagggac	cacatctgta	aggacatgag	tgcattggtg	4500
gctgcccgcg	tgcggcacat	ccccttggcc	ccagggtcag	actggcgcg	tctgcccac	4560
atcgagggtgc	ggctctcaga	cggcaccatg	gccaggaagc	tgcggtatac	ccaccatgac	4620
aggaagaacg	gccgcagcag	ctctggggcc	ctccgtgggg	tctgctcctg	cgtggaagcc	4680
ggcaaagcct	gcgaccccg	agccaggcag	ttcaacaccc	tcacccctg	gtgcctgccc	4740
cacaccggga	accggcacaa	ccactgggct	ggcctctatg	gaaggctcga	gtgggacggc	4800
ttcttcagca	caaccgtcac	caaccccgag	cccatgggca	agcaggggcg	cgtgctccac	4860
ccagagcagc	accgtgtggt	gagcgtgcgg	gagtgtgccc	gctcccagg	cttccctgac	4920
acctaccggc	tcttcggcaa	catcctggac	aagcaccggc	agggtgggcaa	tgccgtgcc	4980
ccgccccctg	ccaaagccat	tggcttggag	atcaagcttt	gtatgttggc	caaagccga	5040
gagagtgcct	cagctaaaat	aaaggaggag	gaagctgcta	aggactagtt	ctgccctccc	5100
gtcacccctg	tttctggcac	caggaatccc	caacatgcac	tgatgttgtg	tttttaacat	5160
gtcaatctgt	ccgttcacat	gtgtggtaca	tgggtgttgt	ggccttggct	gacatgaagc	5220
tgttgtgtga	ggttcgctta	tcaactaatg	atttagtgat	caaattgtgc	agtactttgt	5280
gcattctgga	ttttaaaagt	tttttattat	gcattatata	aaatctacca	ctgtatgagt	5340
ggaaattaag	actttatgta	gtttttatat	gttgtaatat	ttcttcaa	aaatctctcc	5400
tataaaccaa	aaaaaaaa	aaaaaaaa	aaaa			5434

<210> 382  
 <211> 1939  
 <212> DNA  
 <213> Homo sapiens

<400> 382						
cgcagagcag	ttcagttcgc	tcactcctcg	ccggccgcct	ctccttcggg	ctctcctcgc	60
gtcactggag	ccatggcggt	cgccgagacc	taccggcg	catcctccct	gcccacggc	120
gattgcggcc	gccccagggc	ggccggagga	aaccgggtga	cgggtggtgct	cgggtgcgcag	180
tggggcgacg	aaggcaaagg	gaagggtggtg	gacctgctgg	cgcaggacgc	cgacatcgtg	240
tgccgctgcc	agggaggaaa	taatgctggc	catacagttg	ttgtggattc	tgtggaatat	300
gattttcatc	tcttaccag	tggataaatt	aatccaaatg	tcactgcatt	cattggaaat	360
ggtgtggtaa	ttcatctacc	tggattgttt	gaagaagcag	agaaaaatgt	tcaaaaagga	420
aaaggactag	aaggctggga	aaaaaggctt	attatatctg	acagagctca	tattgtat	480
gattttcatc	aagcagctga	tggatccag	gaacaacaga	gacaagaaca	agcaggaaaa	540
aatttgggta	caacaaaaaa	gggcattggc	ccagtttatt	cgtccaaagc	tgctcggagt	600
ggactcagga	tgtgcgacct	tgtttctgac	tttgatggct	tctctgagag	gtttaaagtt	660
ctagctaacc	aatacaaatc	tatatcccc	actttggaaa	tagacattga	aggatgaatta	720
caaaaactca	agggttatat	ggaaaagatt	aaaccaatgg	tgagagatgg	agtttat	780
ctatatgagg	ccctacatgg	accaccaaag	aaaatcttgg	tagaagggtgc	aaatgcagca	840
ctattagata	ttgattttgg	gacttaccct	tttgtaacct	cttcaaattg	tactgttggga	900
ggtgtttgta	ctggtttggg	tatgccacct	caaaatgttg	gagaagtgtg	tggagtgtg	960
aaagcttata	caactagagt	tggatttgg	gcctttccta	cagagcaaga	caatgaaatt	1020
ggagaattat	tacaacaag	gggtagagag	tttgggtgtaa	ctactggaag	gaaaagaaga	1080
tgtggctggt	tggacctcgt	tttgctcaaa	tatgctcata	tgatcaatgg	atttactgcg	1140
ttggcactta	ccaagttgga	tattttggac	atgtttacgg	aaatcaaagt	tggagtgtgct	1200
tacaagttag	atggtgaaat	catacctcat	atcccagcaa	accaagaagt	cttaaataaa	1260

gttgaagttc	aataataagac	tctcccagga	tggaacacag	acatatcaaa	tgcaagggcg	1320
tttaaagaac	tacctgttaa	tgacaaaaac	tatgttcgat	ttattgaaga	tgagcttcaa	1380
attccagtta	agtggattgg	tgtttgtaaa	tccagagaat	ctatgattca	actcttttaa	1440
tgattgccag	taatgcaaga	aacactcctt	gagagggagg	ggaaaagact	ttctaaatat	1500
ttcatttatg	acctgcaaat	tcaagaataa	agacactgaa	gtaagtttga	agcctctaca	1560
gttgittcca	gtcttttcag	atggatgcct	actgtggaga	ttaactttgg	catattccag	1620
tgtcagcttt	cttttagctgg	aattgccaaa	tcatttggtg	ctcctgctgc	tctcatgggtg	1680
ccacgttttt	ttttttcaat	gttttagtaat	agtataatcc	atgttgtttg	atatcaaaag	1740
tagaattact	tttatgtagt	tttcttcatt	attgtcattg	cgtgttctta	agttttaccc	1800
ctatttagatg	gtaagaacaa	ttaatgcagt	tttgacacaaa	tattttttaca	ttctgatcat	1860
tcagttctgt	cattgtaatc	tttggttgta	gaaacaaatg	atgaaaacat	aggggttctg	1920
taaacttttg	taatgctat					1939

<210> 383  
 <211> 1817  
 <212> DNA  
 <213> Homo sapiens

<400> 383	ctgtcagaat	ggccaccatg	gtaccatccg	tggtgtggcc	cagggcctgc	tggaactctgc	60
	tggtctgctg	tctgctgacc	ccaggtgtcc	aggggcagga	gttccttttg	cgggtggagc	120
	cccagaaccc	tgtgctctct	gctggagggg	ccctgtttgt	gaactgcagt	actgattgtc	180
	ccagctctga	gaaaatcgcc	ttggagacgt	ccctatcaaa	ggagctgggtg	gccagtggca	240
	tgggctgggc	agccttcaat	ctcagcaacg	tgactggcaa	cagtcggatc	ctctgctcag	300
	tgtactgcaa	tggtctccag	ataacaggct	cctctaacat	caccgtgtac	gggctcccgg	360
	agcgtgtgga	gctggcacc	ctgcctcctt	ggcagccggg	gggccagaac	ttcacctgc	420
	gctgccaaagt	ggaggggtggg	tgcgcccgga	ccagcctcac	ggtggtgctg	cttcgctggg	480
	aggaggagct	gagccggcag	cccgcagtg	aggagccagc	ggaggtcact	gccactgtgc	540
	tggccagcag	agacgaccac	ggagcccctt	tctcatgccg	cacagaactg	gacatgcagc	600
	cccaggggct	gggactgttc	gtgaacacct	cagccccccg	ccagctccga	acctttgtcc	660
	tgcccgtagc	ccccccgcgc	ctcgtggccc	cccggttctt	ggaggtggaa	acgtcgtggc	720
	cgggtggactg	caccctagac	gggctttttt	cagcctcaga	ggcccaggct	tacctggcgc	780
	tgggggacca	gatgctgaat	gcgacagtca	tgaaccacgg	ggacacgcta	acggccacag	840
	ccacagccac	ggcgcgcgcg	gatcaggagg	gtgcccggga	gatcgtctgc	aacgtgaccc	900
	tagggggcga	gagacgggag	gcccgggaga	acttgacggg	cttttagctt	ctaggaccca	960
	ttgtgaacct	cagcgagccc	accgcccatt	aggggtccac	agtgaccgtg	agttgcatgg	1020
	ctggggctcg	agtcacaggt	acgctggacg	gagttccggc	cgcggccccg	gggcagccag	1080
	ctcaacttca	gctaaatgct	accgagagt	acgacggacg	cagcttcttc	tgagtgcca	1140
	ctctcgaggt	ggacggcgag	ttcttgca	ggaacagtag	cgtccagctg	cgagtcctgt	1200
	atggtcccaa	aattgaccga	gccacatgcc	cccagcactt	gaaatggaaa	gataaaacga	1260
	gacacgtcct	gcagtgccaa	gccaggggca	acccgtaccc	cgagctgcgg	tgtttgaagg	1320
	aaggctccag	ccgggaggtg	ccggtgggga	tcccgttctt	cgtcaacgta	acacataatg	1380
	gtacttatca	gtgccaaagc	tccagctcac	gaggcaaata	caccctgggc	gtggtgatgg	1440
	acattgaggc	tgggagctcc	cactttgtcc	ccgtcttcgt	ggcgggtgta	ctgaccctgg	1500
	gcgtggtgac	tatcgtactg	gccttaatgt	acgtcttcag	ggagcaccaa	cggagcggca	1560
	gttaccatgt	tagggaggag	agcacctatc	tgccctcac	gtctatgcag	ccgacagaag	1620
	caatggggga	agaaccgtcc	agagctgagt	gacgctggga	tccgggatca	aagttggcgg	1680
	gggcttggct	gtgccctcag	attccgcacc	aataaagcct	tcaaactccc	taaaaaaaaa	1740
	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1800
	aaaaaaaaaa	aaaaaaa					1817

<210> 384  
<211> 2545  
<212> DNA  
<213> Homo sapiens

```

<400> 384
atccaataca ggagtgactt ggaactccat tctatcacta tgaagaaaag tgggtgttctt      60
ttcctcttgg gcatcatctt gctggttctg attggagtgc aaggaacccc agtagtgaga      120
aaggggtcgt gttcctgcat cagcaccaac caagggacta tccacctaca atccttgaaa      180
gaccttaaac aatttgcccc aagcccttcc tgcgagaaaa ttgaaatcat tgctacactg      240
aagaatggag ttcaaacatg tctaaaccca gattcagcag atgtgaagga actgattaaa      300
aagtgggaga aacaggtcag ccaaaagaaa aagcaaaaga atgggaaaaa acatcaaaaa      360
aagaaagttc tgaaagttcg aaaatctcaa cgttctcgtc aaaagaagac tacataagag      420
accacttcac caataagtat tctgtgttaa aaatgttcta ttttaattat accgctatca      480
ttccaaagga ggatggcata taatacaaag gcttattaat ttgactagaa aattttaaac      540
attactctga aattgtaact aaagttagaa agttgatttt aagaatccaa acgttaagaa      600
ttgttaaagg ctatgattgt ctttgttctt ctaccacca ccagttgaat ttcacatgc      660
ttaaggccat gattttagca atacctatgt ctacacagat gttcacccaa ccacatccca      720
ctcacaacag ctgcctggaa gagcagccct aggtctccac gtactgcagc ctccagagag      780
tatctgagga acatgtcagc aagtcctaag cctgttagca tgctgggtgag ccaagcagtt      840
tgaaattgag ctggacctca ccaagctgct gtggccatca acctctgtat ttgaatcagc      900
ctacaggcct cacacacaat gtgtctgaga gattcatgct gattgttatt gggatcacc      960
actggagatc accagtgtgt ggctttcaga gctcctttc tggctttgga agccatgtga     1020
ttccatcttg cccgctcagg ctgaccactt tatttctttt tgttccccct tgccttcattc     1080
aagtcagctc ttctccatcc taccacaatg cagtgccttt cttctctcca gtgcacctgt     1140
catatgctct gatttatctg agtcaactcc tttctcatct tgtccccaac accccacaga     1200
agtgttttct tctcccaatt catcctcact cagtcagct tagttcaagt cctgcctctt     1260
aaataaacct ttttgacac acaaattatc ttaaaactcc tgtttcactt ggttcagtag     1320
cacatgggtg aacactcaat ggtaaactaa ttcttgggtg tttatcctat ctctccaacc     1380
agattgtcag ctcttgagg gcaagagcca cagtatatct ccctgtttct tccacagtgc     1440
ctaataatac tgtggaacta ggttttaata attttttaat tgatgttgtt atgggcagga     1500
tggaaccag accattgtct cagagcaggt gctggctctt tcttggctac tccatgttgg     1560
ctagcctctg gtaacctctt acttattatc ttcaggacac tcaactacagg gaccagggat     1620
gatgcaacat ccttgtcttt ttatgacagg atgtttgctc agcttctcca acaataagaa     1680
gcacgtggta aaacacttgc ggatattctg gactgttttt aaaaaatata cagtttaccg     1740
aaaatcatat aatcttaca tgaaaaggac tttatagatc agccagtgc caaccttttc     1800
ccaaccatac aaaaattcct tttcccgaag gaaaagggtt ttctcaataa gcctcagctt     1860
tctaagatct aacaagatag ccaccgagat ccttatcgaa actcatttta ggcaaatatg     1920
agttttattg tccgtttact tgtttcagag tttgtattgt gattatcaat taccacacca     1980
tctcccatga agaaaggga cgggtgaagta ctaagcgcta gaggaagcag ccaagtcggt     2040
tagtggaagc atgattgggtg cccagtttag ctctgcagga tgtggaaacc tcttccagg     2100
ggaggttcag tgaattgtgt aggagaggtt gtctgtggcc agaattttaa cctataactca     2160
ctttcccaaa ttgaatcact gctcacactg ctgatgattt agagtgtgtt ccggtggaga     2220
tcccaccga acgtcttatc taatcatgaa actccctagt tcttcatgt aacttccctg     2280
aaaaatctaa gtgtttcata aatttgagag tctgtgacct acttaccttg catctcacag     2340
gtagacagta tataactaac aaccaaagac tacatattgt cactgacaca cacgttataa     2400
tcatttatca tatatataca tacatgcata cactctcaa gcaaataatt tttcatttca     2460
aaacagtatt gacttgtata ccttgtaatt tgaaatatct tctttgttaa aatagaatgg     2520
tatcaataaa tagaccatta atcag                                     2545

```

<210> 385  
<211> 599

<212> DNA  
<213> Homo sapiens

<400> 385  
 cgggacgcgg atgcagacgc aggcggaggg gctgacggcg gggatggccg ggggtggccac 60  
 agctgccgcg ggggcgtgga cacagccgca gctccggccg gtggagctcc cccagcgcac 120  
 gcgccaggtc cgggcagaga cgcgcgtct cccgcagggg gtcacgaatg cggccgcaca 180  
 tattcaccct cagcgtgcct ttcccgaccc ccttggaggg ggaaatcgcc catgggtccc 240  
 tggcaccaga tgccgagccc caccaaaggg tggttgggaa ggatctcaca gtgagtggca 300  
 ggatcctggg cgtccgctgg aaagctgaag actgtcgcct gctccgaatt tccgtcatca 360  
 actttcttga ccagctttcc ctggtgggtgc ggaccatgca gcgctttggg cccccgttt 420  
 cccgctaagc ctggcctggg caaatggagc gaggtccac tttgcgtctc cttgtaggca 480  
 gtgcgtccat ccttccttag ggcaggaatt cccacagttg ctactttcct gggagggcct 540  
 catgttttat ctggttctta aatgtttgtt actacagaaa ataaaactga ggtattatt 599

<210> 386  
 <211> 1882  
 <212> DNA  
 <213> Homo sapiens

<400> 386  
 gggcaggaag acggcgtgc ccggaggagc ggggcggggc ggcgcgcggg ggagcggggc 60  
 gggggcggga gccaggcccc ggcggggggc ggggcggcg ggcagaaga ggccggcgcc 120  
 cgcgctccgg ccggtctgcg gcgttggcct tggctttggc tttggcgggc gcggtggaga 180  
 agatgctgca gtccctggcc ggcagctcgt gcgtgcgcct ggtggagcgg caccgctcgg 240  
 cctggtgctt cggcttctct gtgctgggct acttgcctta cctggtcttc ggcgcagtgg 300  
 tcttctcttc ggtggagctg ccctatgagg acctgctgcg ccaggagctg cgcaagctga 360  
 agcgacgctt cttggaggag cacgagtgcc tgtctgagca gcagctggag cagttcctgg 420  
 gccgggtgct ggaggccagc aactacggcg tgcgggtgct cagcaacgcc tcgggcaact 480  
 ggaactggga cttcacctcc gcgctcttct tcgccagcac cgtgctctcc accacaggtt 540  
 atggccacac cgtgcccttg tcagatggag gtaaggcctt ctgcatcatc tactccgtca 600  
 ttggcattcc cttcaccttc ctgttccctga cggctgtggt ccagcgcac accgtgcacg 660  
 tcacccgcag gccggtcttc tacttccaca tccgctgggg cttctccaag caggtgggtgg 720  
 ccacgtcca tgccgtgctc cttgggtttg tcaactgtgc ctgcttcttc ttcacccgg 780  
 ccgctgtctt ctacgtcctg gaggatgact ggaacttctt ggaatccttt tatttttgtt 840  
 ttatttccct gagcaccatt ggcctggggg attatgtgcc tggggaaggc tacaatcaaa 900  
 aattcagaga gctctataag attgggatca cgtgttacct gctacttggc cttattgcca 960  
 tgttggtagt tctggaaacc ttctgtgaac tccatgagct gaaaaaattc agaaaaatgt 1020  
 tctatgtgaa gaaggacaag gacgaggatc aggtgcacat catagagcat gaccaactgt 1080  
 ctttctcttc gatcacagac caggcagctg gcatgaaaga ggaccagaag caaaatgagc 1140  
 cttttgtggc caccagtc tctgcctgcg tggatggccc tgcaaaccat tgagcgtagg 1200  
 atttgttgca ttatgctaga gcaccagggg caggggtgcaa ggaagaggct taagtatgtt 1260  
 catttttatc agaatgcaaa agcgaataat atgtcacttt aagaaatagc tactgtttgc 1320  
 aatgtcttat taaaaaaca caaaaaaaga cacatggaac aaagaagctg tgaccccgagc 1380  
 aggatgtcta atatgtgagg aaatgagatg tccacctaaa attcatatgt gacaaaatta 1440  
 tctcgacctt acataggagg agaatacttg aagcagtatg ctgctgtggt tagaagcaga 1500  
 ttttatactt ttaactggaa actttggggg ttgcatttag atcatttagc tgatggctaa 1560  
 atagcaaaat ttatatattag aagcaaaaaa aaaaagcata gagatgtggt ttataaatag 1620  
 gtttatgtgt actggtttgc atgtaccac caaaatgat tatttttggg gaatctaagt 1680  
 caaactcact atttataatg cataggtaac cattaactat gtacatataa agtataaata 1740  
 tgtttatatt ctgtacatat ggtttaggtc accagatcct agtgtagtgc tgaaactaag 1800  
 actatagata ttttgtttct tttgatttct ctttatacta aagaatccag agttgctaca 1860  
 ataaaataag gggaataata aa 1882

```

<210> 387
<211> 4068
<212> DNA
<213> Homo sapiens

<400> 387
aacagacaca gactcgcagg ccctcttcat tctaaagcaa gggtccaaaa ccttttttct 60
ataaagggcc agagagtaaa taatttaggc tttgtgagcc aggcagtctg ttgcagctac 120
gcagtccttg gttattatag tgcaaaaaca gccataggca gcatgtacag aaatgagcat 180
aaccatgctc caacaaaact ttatttacag gactaatgt ttaaatttca ggtaattttc 240
acatgtcaca aaatatcact tttctttaac cacttaaaag tataaaagcc attcttagtt 300
tgcaggcagt acagaaacag tttcagccca tgggctgtca tttgttgacc cctattcaag 360
agggtctgtc acagaagact cctgcttgcc tgaaatttac gagtgcagt aaatgttgga 420
attaacaggt gtgcctgttt tctcttatgc tgtctttcat cttcaggaac agccaggaag 480
acgctgcact tcgagatttc caaggaaggc agtgacctgt cagtggtgga gcgtgcagaa 540
gtctggctct tcctaaaagt ccccaaggcc aacaggacca ggaccaaagt caccatccgc 600
ctcttcagc agcagaagca cccgcagggc agcttgga caaggggaaga ggccgaggaa 660
gtgggcttaa agggggagag gagtgaactg ttgctctctg aaaaagtagt agacgctcgg 720
aagagcacct ggcagtgtct cctgtctcc agcagcatcc agcggttgct ggaccagggc 780
aagagctccc tggacgttcg gattgcctgt gagcagtgcc aggagagtgg cgccagcttg 840
gttctcctgg gcaagaagaa gaagaaagaa gaggaggggg aagggaaaaa gaagggcgga 900
ggtgaagggt gggcaggagc agatgaggaa aaggagcagt cgcacagacc tttcctcatg 960
ctgcaggccc ggcagtctga agaccacct catcgccggc gtcggcgggg cttggagtgt 1020
gatggcaagg tcaacatctg ctgtaagaaa cagttctttg tcagtttcaa ggacatcggc 1080
tggaatgact ggatcattgc tccctctggc tatcatgcc actactgca gggtgagtgc 1140
ccgagccata tagcaggcac gtccgggtcc tctactgctc tccactcaac agtcatcaac 1200
cactaccgca tgcggggcca tagcccttt gccaacctca aatcgtgctg tgtgccacc 1260
aagctgagac ccatgtccat gttgtactat gatgatggtc aaaacatcat caaaaaggac 1320
attcagaaca tgatcgtgga ggagtgtggg tgctcataga gttgccagc ccagggggaa 1380
aggagcaag agttgtccag agaagacagt ggcaaatga agaaattttt aagggttctg 1440
agttaaccag aaaaatagaa attaaaaaca aaacaaaaaa aaaaacaaaa 1500
gtaaattaaa aacaaaacct gatgaaacag atgaaggaag atgtggaaaa aatccttagc 1560
cagggtcag agatgaagca gtgaaagaga caggaattgg gagggaaagg gagaatggtg 1620
taccctttat ttcttctgaa atcacactga tgacatcagt tgtttaacg gggattgtc 1680
ctttccccc ttgaggttcc cttgtgagcc ttgaatcaac caatctagt tgcagttagt 1740
tggactagaa caacccaat agcatctaga aagccatgag tttgaaagg cccatcacag 1800
gcactttcct acccaattac ccaggtcata aggtatgtct gtgtgacact tatctctgtg 1860
tatatcagca tacacacaca cacacacaca cacacacaca ggcatttcca cacattacat 1920
atatacacat actggtaaaa gaacaatcgt gtgcagggtg tcacacttcc ttttctgta 1980
ccacttttgc aacaaaacaa aacaaaacac attaaaaaat tgagaacaag tatggaaaga 2040
atgaaagatc aaggaaaaaa gaataccaag ttacatttgc ttaagggtgct tatgatctta 2100
gaactatgca acctaatagg tttgaaactg tttacctgag agagaacaaa aagagagact 2160
tttttgtatt ggaagtaatc tgattaattt ttattttctt caaggagaga tacttgaaag 2220
gaatatgttt gtccatctgt tggatccaaa catttctata ttttgtaaat gttgtgtgtg 2280
tttttttttt aatcgtttac tatttgcact acaatggtgt ttgacctgtc taatccttat 2340
ttaacaagta ttttctttgg ttgggggtgg ggggtggggt taagagctgc acttaatgtg 2400
agctataaaa gaactgtac agcacacaaa atagctattt ttattattat aattataatt 2460
attattatta tttgtacct taaaaaatag acacatacac caaagacatt tgtgtgagcc 2520
tttaaacagt ctgtctgtgg ttggtatcat tcaccatcaa tgagtcaggg gttgggattc 2580
aaggttgagt agtgtggatt gtgttcaggc ttaaaagacc tgagaagttt ggtttttgac 2640

```



tccttttaca	tccatgaaac	aggacatttc	atactggatg	tacagtagtt	gtacactggt	2700
ggatatcaag	ttcaatcaaa	ttcatggaac	tacatgcttg	tatgtgtata	tatacattgc	2760
ttgtgcatat	gcatatctgt	atgtatatat	acatgtattg	taccatgtcc	atacacattt	2820
taagcacttc	aggctgtcat	tttttaaatgt	tcttaaagca	atgaatgttt	gtgtgcaaaa	2880
cacagtattt	ttaagaagga	taggctatag	tttttgcttt	tactctgaac	taggtgggcg	2940
catttcaaaa	attcggtatg	gaaaaagcct	ggaaattcca	gtgaatattc	agcaaggccc	3000
tctttcattg	tacagggatc	aaatttcctc	ctcttttttg	tgccccctcc	cacttctaca	3060
agttatcccc	tgtggggaaa	acaggatgat	aatcaaaact	ctgggctgat	gtttttccaa	3120
cttagtgtct	attggaatca	atcttaaate	agaagctttt	tcagaaaaat	aatatttagg	3180
ccagaattag	agttgagtgt	attttttaaa	aatgattaag	gcttggttgt	gagaaatatt	3240
acctgtacca	gctgggaaaa	ataatgtcat	cactaactaa	aagataatta	atltgagaga	3300
aagtgttaag	agaggagag	taaggaagag	aacagttaag	aggaggcaga	ggtgagggca	3360
gtagtaaaaa	tctctaaaat	tttaattttac	agccaaaatt	cttcatgtgt	aaatttgtat	3420
tgattcagat	gcagaaatga	aaaaaaaaaca	cctttgtttt	ataaatatca	aagtacatgc	3480
ttaaagccaa	gttttttatct	agttttattct	agtacttagc	ttgcctggaa	tagctaataa	3540
attattcatg	tatgtgcttt	tgaaaatcca	gagccctatt	tttacacact	tgtgtgaagt	3600
tggcaaacat	tttgaaaaat	ggaaaaaagt	ttctaataat	tgggaacaat	tacattaatt	3660
aatattttgt	aaaatattga	agcttttagc	cctatgtcaa	ttttagatt	aaaataaatt	3720
aattatagga	aaggaagata	acagtgagaa	accaaactt	acaaaagggt	gttttagctct	3780
ccttgaaaaa	tatactaagt	tggtatacta	taacacttgg	ctatatgtag	gcaatgtcac	3840
tactgggcaa	atacacttac	tgtgttctag	aggcagccct	ttcttatgca	gaaaatacaa	3900
tacgcactgc	atgagaagct	tgagagtggg	ttctaatacca	ggtctgtcga	ccttggatat	3960
catgcatgtg	ggaagggtgg	tgtggtgaga	aaagttttta	ggcaagagta	gatggccatg	4020
ttcaacttta	caaaattttct	tggaaaactg	gcagtatttt	gaactgca		4068

<210> 388  
 <211> 2850  
 <212> DNA  
 <213> Homo sapiens

<400> 388						
cgcgagcagg	agacggcggc	gggcgaaccc	tgtggtgctt	ccagtcaccc	tcgtcttgca	60
ttttcccgcg	tgcgtgtgtg	agtgggtgtg	tgtgttttct	tacaaagggt	atttcgcgat	120
cgatcgattg	attcgtagtt	cccccccgcg	cgcctttgcc	ctttgtgctg	taatcgagct	180
cccgccatcc	caggtgcttc	tccgttcttc	taaacgccag	cgtctggacg	tgagcgcagg	240
tcgccggttt	gtgccttcgg	tccccgcttc	gccccctgcc	gtccccctct	tatcacggtc	300
ccgctcgcg	cctcgccgcc	ccgctgtctc	cgcgcgccgc	catggcgact	gcgacccccg	360
tgccgcgcgc	gatgggcagc	cgcgctggcg	gccccaccac	gccgctgagc	cccacgcgcc	420
tgtcgcggct	ccaggagaag	gaggagctgc	gcgagctcaa	tgaccggctg	gcggtgtaca	480
tcgacaaggt	gcgcagcctg	gagacggaga	acagcgcgct	gcagctgcag	gtgacggagc	540
gcgaggaggt	gcgcggccgt	gagctcacgc	gcctcaaggc	gctctacgag	accgagctgg	600
ccgacgcgcg	acgcgcgctc	gacgacacgc	ccgcgcgagc	cgccaagctg	cagatcgagc	660
tgggcaagtg	caaggcggaa	cacgaccagc	tgtcctcaa	ctatgctaag	aaggaatctg	720
atcttaattg	cgcccagatc	aagcttcgag	aatatgaagc	agcactgaat	tcgaaagatg	780
cagctcttgc	tactgcactt	ggtgacaaaa	aaagttttaga	gggagatttg	gaggatctga	840
aggatcagat	tgcccagttg	gaagcctcct	tagctgcagc	caaaaaacag	ttagcagatg	900
aaactttact	taaagtagat	ttggagaatc	gttgtcagag	ccttactgag	gacttggagt	960
ttcgcaaaag	catgtatgaa	gaggagatta	acgagaccag	aaggaagcat	gaaacgcgct	1020
tggtagaggt	ggattctggg	cgtcaaattg	agtatgagta	caagctggcg	caagcccttc	1080
atgagatgag	agagcaacat	gatgcccaag	tgaggctgta	taaggaggag	ctggagcaga	1140
cttaccatgc	caaacttgag	aatgccagac	tgtcatcaga	gatgaatact	tctactgtca	1200

acagtgccag	ggaagaactg	atggaaagcc	gcatgagaat	tgagagcctt	tcatcccagc	1260
tttctaattc	acagaaagag	tctagagcat	gtttggaaag	gattcaagaa	ttagaggact	1320
tgcttgctaa	agaaaaagac	aactctcgtc	gcatgctgac	agacaaagag	agagagatgg	1380
cggaaataag	ggatcaaagt	cagcaacagc	tgaatgacta	tgaacagctt	cttgatgtaa	1440
agttagccct	ggacatggaa	atcagtgcct	acaggaaact	cttagaaggc	gaagaagaga	1500
ggttgaagct	gtctccaagc	ccttcttccc	gtgtgacagt	atcccagagc	tcctcaagtc	1560
gtagtgtacg	tacaactaga	ggaaagcggg	agaggggttg	tgtggaagaa	tcagaggcga	1620
gtagtagtgt	tagcatctct	cattccgcct	cagccactgg	aaatgtttgc	atcgaagaaa	1680
ttgatgttga	tgggaaattt	atccgcttga	agaacacttc	tgaacaggat	caaccaatgg	1740
gaggctggga	gatgatcaga	aaaattggag	acacatcagt	cagttataaa	tatacctcaa	1800
gatatgtgct	gaaggcaggc	cagactgtta	caatttgggc	tgcaaacgct	ggtgtcacag	1860
ccagccccc	aactgacctc	atctggaaga	accagaactc	gtggggcact	ggcgaagatg	1920
tgaaggttat	attgaaaaat	tctcagggag	aggaggttgc	tcaaagaagt	acagtcttta	1980
aaacaaccat	acctgaagaa	gaggaggagg	aggaagaagc	agctggagtg	gttggtgagg	2040
aagaactttt	ccaccagcag	ggaaccccaa	gagcatccaa	tagaagctgt	gcaattatgt	2100
aaaattttca	actgtcttcc	tcaaaataaa	gaagtatggg	aatctttacc	tgtatacagt	2160
gcagagcctt	ctcagaagca	cagaatattt	ttatatttcc	tttatgtgaa	tttttaagct	2220
gcaaactctga	tggccttaat	ttcctttttg	acactgaaag	ttttgtaaaa	gaaatcatgt	2280
ccatacactt	tggtgcaaga	tgtgaattat	tgacactgaa	cttaataact	gtgtactgtt	2340
cgggaagggg	tcctcaaatt	ttttgacttt	ttttgtatgt	gtgttttttc	ttttttttta	2400
agttcttatg	aggaggggag	ggtaaataaa	ccactgtgcg	tcttggtgta	atttgaagat	2460
tgcccatctc	agactagcaa	tctcttcatt	attctctgct	atatataaaa	cgggtgctgtg	2520
agggagggga	aaagcatttt	tcaatatatt	gaacttttgt	actgaatttt	tttgaataaa	2580
gcaatcaagg	ttataatttt	ttttaaaata	gaaattttgt	aagaaggcaa	tattaaccta	2640
atcaccatgt	aagcactctg	gatgatggat	tccacaaaac	ttgggtttat	ggttacttct	2700
tctcttagat	tcttaattca	tgaggagggg	gggggagggg	ggtggagggg	gggaaggggt	2760
tctctattaa	aatgcattcg	ttgtgttttt	taagatagtg	taacttgctt	aaatttctta	2820
tgtgacatta	acaaataaaa	aagctctttt				2850

<210> 389  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

<400> 389						
atgtcagccc	cactggatgc	cgcctccac	gcccttcagg	aggagcaggc	cagaccgccc	60
tccacgcctt	taggaggag	caggccagac	tcaagatgag	gctgtgggac	ctgcagcagc	120
tgagaaagga	gctcggggac	tccccaaaag	acaaggtccc	attttcagtg	cccaagatcc	180
ccctggtatt	ccgaggacac	accagcagg	accggaagt	gcctaagtct	ttagtttcca	240
atttgcggt	ccactgcctt	ctgcttgagg	gctctgctct	gatcaccttt	gatgacccca	300
aagtggctga	gcaggtgctg	caacaaaagg	agcacacgat	caacatggag	gagtgcgggc	360
tgcggtgca	ggtccagccc	ttggagctgc	ccatgggtcac	caccatccag	gtgatgggtg	420
ccagccagtt	gagtggccgg	aggggtgttg	tactggatt	tcctgccagc	ctcaggctga	480
gtgaggagga	gctgctggac	aagctagaga	tcttcttttg	caagactagg	aacggagggtg	540
gcgatgtgga	cgctcgggag	ctactgccag	ggagtgtcat	gctgggggtt	gctagggatg	600
gagtggctca	gcgtctgtgc	caaactcggc	agttcacagt	gccactgggt	gggcagcaag	660
tcctctgag	agtctctccg	tatgtgaatg	gggagatcca	gaaggctgag	atcaggtcgc	720
agccagttcc	ccgctcggta	ctggtgctca	acattcctga	tatcttggtg	ggcccgagac	780
tgcatgacgt	cctggagatc	cacttccaga	agcccaccgc	cgggggcggg	gaggtagagg	840
ccctgacagt	cgtaccccaa	ggacagcagg	gcctagcagt	cttcacctct	gagttaggct	900
aggggcctcc	ccttctcatc	ctcccaccc	ccccgccaa	gttctcacac	tggcctgggc	960



gaacaccggt atacaggagc aggtttacaa atggagagac agtgtcattc tgcttgaggg 240  
 taatggtggg tgtcataata ctctatgtcc acgtacatcc ag 282

<210> 393  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 393  
 agctgttggg accatcctgg caaccccggt gtttggctgg gttctagcgt agccgtctgt 60  
 gttggccggt gggggacctg cgatcgaggt gggaggccag tttgcaccaa ggaggtggaa 120  
 ggaggcgggc ttttaggctg ggaagcgct tagaggagcc atttttccag gatgcctggt 180  
 ttgcttttat gtgaaccaac agagctttac aacatcctga atcaggccac aaaactctcc 240  
 agattaacag accccaacta tctctgttta ttggatgtcc gtgccaaatg ggagtatgac 300  
 gaaagcaatg tgatcactgc ccttcgagtg aagaaggaaa ataatggata tctctcccgg 360  
 agtctgtgga cctcgag 377

<210> 394  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<400> 394  
 gagcaatacc tttctgtacc cgtggtgaga caagaccag agctactgga aaacaagcac 60  
 tttggaagat ttgttttgtt ttcattggaat aataatatgt cagggataaa tttacgtga 120  
 gtttcttatg tgcccttaaa gactgttaga caagaaaagc attcactggc taataatcca 180  
 taggtcgacc tatgtcctaa gttaggtgta aggtccgatg ccttgggcac actcgagctc 240  
 tctttacatt gttagttgtc aaccttggct gatggaaatc ccgtaaccac tatttgttgc 300  
 actgtgccat gaagggcagc aggcccaagt gctgctctga ctgaaaactg agttaacaag 360  
 atgaaatcta aaggatattc acagtgactt caattcagga agaattgctt caaaagagcc 420  
 cagtggggaa atctgacatc acagaagaca ttaattcagt cactttcaaa gagtttgtct 480  
 acaggcgggt tctctgttat caaggcattt gaaataggat ttac 525

<210> 395  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<400> 395  
 agctggaggga tggcgggtggg ggaggctgtc tttgtaccac tgcagcatcc cccacttctc 60  
 cacggaagcc ccatcccaaa gctgctgcct ggccccttgc tgtaaagtgt gaagggggcg 120  
 gctgagttct cttaggaccc agagccaggg ccctcaactt ccatcctgcg ggaggccttg 180  
 gcgagacact gccagtgtct tccagagcca caccagggga ccacgggagg atcctgaccc 240  
 ctgcagggtc caggggtcag cagggaccca ctgcccacat tccctctccc caccaagaca 300  
 gccccagaag gagcagccag ctgggatggg aacccaaggg tgtccacatc tggcttttgt 360  
 gggactcaga aaggaagca gaactgaggg ctgggatat 399

<210> 396  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 396  
 tgtacctttg caaacttgtc tggattttga ctgtatgtgc aaaacagatt gtacttagcg 60  
 attcattaaa catcttttga tcatctgctg tctgccaggg actgtgctag gcatctgaaa 120  
 aacaaagatg gtccctgcag tttaatgtga agagctatct taattgtatt ccacaagtgt 180  
 attggtcgta tctttgtttt ggtgtttcta cctaaataaa ttttatatta actaaaaaa 240  
 a 241

<210> 397  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 397

aattcggcac	cagggggctc	cgggtggctg	ctctgggact	gggcacccac	aagggctcag	60
tgggccc aaa	cccttgaaat	ccgtgaaaca	gggtgggtccc	aagagctaga	aactcaggaa	120
acccaggtg	ctcagggccc	cgcgtctcgg	gggctccgtg	gggcagaccc	ctgctaatat	180
atgcaattct	ccctccccca	gcccttcctt	gacccctaag	ttattgcccg	ctcacctctc	240
ccaggccccca	ggctgcggac	tggcaggggtg	gcgcctgcgg	tttctatgta	tttatagcaa	300
gttctgatgt	acatatgtaa	aggacttttt	taaatatatg	tgccttttgc	ctact	355

<210> 398  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 398						
catatataca	tgcagtctgc	ttgattatca	gcaaaatggt	cagcctttat	cagatagttt	60
cttcatgtgg	agttcatctg	catgtggccc	ttactctgaa	gcctcttcct	gatctggagc	120
cacagtctgt	ctgtcttcca	gttcatctca	gtcctcgaga	aaggcccttt	aaatatgtca	180
ctttccatt	ttcctttaac	catgggttgt	gtgagccaga	aagagctttg	agaaagatgg	240
ctgcttccac	caggggtggag	gcttctaggt	ctgcatgatg	atggggcccg	tttctggcca	300
gaggggtggc	ctgggagcag	ttgtgctgcg	ggcttgctgg	gggagaactc	taactgttgc	360
agaaacagag	cttcatggct	tgcttaaatt	acttagctgg	aatattttta	agtgtcagat	420
aatgtgatgt	acaaagagag	tatgccgatg	catttc			456

<210> 399  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 399						
tatcaaacta	aagatgacat	cttaattttg	cattgaacat	taatgtagcg	gatataat	60
gatgattata	cttcattaga	tttaattttct	aggccaagat	gttacttttt	aaagtgcagt	120
ttaaggttca	ggcatgcatt	ctggctcata	gtggttgaaa	gtaattttaa	ttagtgggaa	180
agtagcatgc	ttgcatcaca	tagagtgaga	ttggtattca	tttacctatg	ttgcgccagt	240
ttgtgttgca	gtttaccaat	tcaatatagc	cctgcattta	aagttccttt	ttaagatttg	300
tggattttat	ttttattaag	aacatagata	tataaagtac	tgtagtttac	aggtaggcct	360
tgaaatatct	tttttaggat	ctgttaggaa	taagattgat	attgtattgt	gtgtaacctg	420
cacaatgtgg	aaagctgata	tacctgtgca	aaatctttgc	ctctgtgctg		470

<210> 400  
 <211> 4207  
 <212> DNA  
 <213> Homo sapiens

<400> 400						
ccccggttcc	gctgtctttt	ctgtctacag	tttgcgatcc	ccgcgtccag	gatggagcag	60
ctgaacgaac	tggagctgct	gatggagaag	agtttttggg	aggaggcgga	gctgccggcg	120
gagctatttc	agaagaaagt	ggtagcttcc	tttccaagaa	cagttctgag	cacaggaatg	180
gataaccggg	acctgggtgt	ggcagtcatt	actgtacaga	acaaagaggg	aaactgtgaa	240
aagcgcctgg	tcatcactgc	ttcacagtca	ctagaaaata	aagaactatg	catccttagg	300
aatgactggt	gttctgttcc	agtagagcca	ggagatatca	ttcatttgga	gggagactgc	360
acatctgaca	cttgataat	agataaagat	tttgatatt	tgattctgta	tccagacatg	420
ctgatttctg	gcaccagcat	agccagtagt	attcgatgta	tgagaagagc	tgtcctgagt	480
gaaactttta	ggagctctga	tccagccaca	cgccaaatgc	taattggtac	ggttctccat	540
gaggtgtttc	aaaaagccat	aaataatagc	tttgccccag	aaaagctaca	agaacttgct	600
tttcaaacia	ttcaagaaat	aagacatttg	aaggaaatgt	accgcttaa	tctaagtcaa	660
gatgaaataa	aacaagaagt	agaggactat	cttcttctgt	tttgtaaagt	ggcaggagat	720
ttcatgcata	aaaacacttc	gactgacttc	cctcagatgc	agctctctct	gccaaagtgt	780
aatagtaagg	ataattcaac	atgtaacatt	gaagtcgtga	aaccaatgga	tattgaagaa	840
agcatttggt	cccctaggtt	tggattgaaa	ggcaaaatag	atgttacagt	tgggtgtgaaa	900

atacatcgag	ggtataaaac	aaaataacaag	ataatgccgc	tggaacttaa	aactggcaaa	960
gaatcaaatt	ctattgaaca	ccgtagtcag	gttggtctgt	acactctact	aagccaagag	1020
agaagagctg	atccagaggc	tggcttgctt	ctctacctca	agactgggtca	gatgtaccct	1080
gtgcctgcca	accatctaga	taaaagagaa	ttattaaagc	taagaaacca	gatggcattc	1140
tcattgtttc	accgtattag	caaactctgt	actagacaga	agacacagct	tgcttccttg	1200
ccacaaataa	ttgaggaaga	gaaaacttgt	aaatattgtt	cacaaattgg	caattgtgct	1260
ctttatagca	gagcagttga	acaacagatg	gattgtagtt	cagtcccaat	tgtgatgctg	1320
cccaaaatag	aagaagaaac	ccagcatctg	aagcaaacac	acttagaata	tttcagcctt	1380
tgggtgtctaa	tgtaaccctt	ggagtcacaa	tcgaaggata	ataaaaagaa	tcacccaaat	1440
atctggctaa	tgcttgcttc	ggaaatggag	aagagtggca	gttgcatagg	aaacctgatt	1500
agaatggaac	atgtaaagat	agtttgtgat	gggcaatatt	tacataattt	ccaatgtaaa	1560
catggtgcca	tacctgtcac	aaatctaatt	gcaggtgaca	gagttattgt	aagtggagaa	1620
gaaaggtcac	tgtttgcttt	gtctagagga	tatgtgaagg	agattaacat	gacaacagta	1680
acttgtttat	tagacagaaa	cttgctcggtc	cttcacagaat	caactttgtt	cagattagac	1740
caagaagaaa	aaaatttgtga	tatagatacc	ccattaggaa	atctttccaa	attgatggaa	1800
aacacgtttg	tcagcaaaaa	acttcgagat	ttaattattg	actttcgtga	acctcagttt	1860
atatactacc	ttagttctgt	tcttcacat	gatgcaaagg	atacagttgc	ctgcattcta	1920
aagggtttga	ataagcctca	gaggcaagcg	atgaaaaagg	tacttccttc	aaaagactac	1980
acactcatcg	tgggtatgcc	tgggacagga	aaaacaacta	cgatatgtac	tctcgtaaga	2040
attctctacg	cctgtggttt	tagcgttttg	ttgaccagct	atacacactc	tgctgttgac	2100
aatattcttt	tgaagttagc	caagtttaaa	ataggatttt	tgcgtttggg	tcagattcag	2160
aaggttcac	cagctatcca	gcaattttaca	gagcaagaaa	tttgcatatc	aaagtccatt	2220
aatcccttag	ctcttctaga	agaactctac	aatagtcaac	ttatagttgc	aacaacatgt	2280
atgggaataa	accatccaat	atcttccctg	aaaatttttg	atctttgtat	tgtggatgaa	2340
gcctctcaaa	ttagccaacc	aatttgtctg	ggcccccttt	ttttttcacg	gagatttgtg	2400
ttagtggggg	accatcagca	gcttcctccc	ctgggtgctaa	accgtgaagc	aagagctcct	2460
ggcatgagt	aaagcttatt	caagaggctg	gagcagaata	agagtgtgtg	tgtacagtta	2520
accgtgcagt	acagaatgaa	cagtaaaatt	atgtccttaa	gtaataagct	gacctatgag	2580
ggcaagctgg	agtgtggatc	agacaaaagt	gccaatgcag	tgataaacct	acgtcacttt	2640
aaagatgtga	agctggaact	ggaattttat	gctgactatt	ctgataatcc	ttggttgatg	2700
ggagtatttg	aaccacaaca	tcctgtttgt	ttccttaata	cagacaaggt	tccagcgcca	2760
gaacaagttg	aaaaaggtgg	tgtgagcaat	gtaacagaag	ccaaactcat	agttttccta	2820
acctccattt	ttgttaaggc	tggatgcagt	ccctctgata	ttggtattat	tgaccgttac	2880
aggcagcaat	taaagatcat	caatgattta	ttggcacggt	ctattgggat	ggtcgaagtt	2940
aatacagtag	acaaatacca	aggaaggagc	aaaagtattg	tcctagtatc	ttttgttaga	3000
agtaataagg	atggaactgt	tggatgaactc	ttgaaagatt	ggcgacgtct	taatgttgct	3060
ataaccagag	ccaaacataa	actgattctt	ctgggggtgtg	tgccctcact	aaattgctat	3120
cctccttttg	agaagctgct	taatcattta	aactcagaaa	aattaatcat	tgatcttcca	3180
tcaagagaac	atgaaagtct	ttgccacata	ttgggtgact	ttcaaagaga	ataaaacact	3240
atctcccttg	ccttttcata	ctagggcagt	atctcctcta	gctagtgcc	atacagaaaa	3300
ttctatcacc	atacaaaatt	taatgcagta	tttatgtttt	aaagcacagg	tgtaccgaaa	3360
actgtgaaaa	gtctgaattt	atgggttcta	tgcatgcatt	tttgccctaac	ctagagaaaag	3420
agtttgataa	atctttacca	gctttgaaga	tggattaact	tttgactttg	agcttttaaac	3480
ttttaagtca	gacatttcag	gactaatttg	atctttgtaga	tatcattgta	agaactttat	3540
ttgaaagact	gaataaaggg	atcttgatttg	ttttcatcat	ttaagcacag	tcttgatgatg	3600
atgagaacat	aagtgtgatt	cttttctgta	ttttgaggtc	cctaatacaa	agccccatttt	3660
gctaggattt	tttctgctat	cagatgtgtt	ttcactctaa	acctagtctt	ttatgacatg	3720
aattgattac	ttcctgttaa	ttttctatcc	tccttacta	tcctcctttt	ttgttttcag	3780

tattcagtat ttcagtattc tagagtagat tttgatataa aagaaaataa ttcttacatc 3840  
atcttttgca acaaattttg ttttctgaat tgataataaa tttaaaaagt tgattcctat 3900  
tttcacatat gttcatatgc ccctatgttt ggggggatca ctccagttttc ctttttttgt 3960  
gtaaagatgt tttgtaaaac aaaattgtct caaagtgatt atattatata tataaaaagt 4020  
aacagatttt aacaaagggt aaaagattct tggggtaaca gattcttctg ggggttgaaa 4080  
tcttccattt ctcttgaggg ttttttttaa tgagtgttaa atatgttaaa atttttattt 4140  
ctacctcatg tgttttttta aattattact tgaagttttt tatttaataa attttttcta 4200  
ctaattgg 4207

<210> 401  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 401  
ctagaataaaa ggggttgatt agtctgaaca gtactaatta actacaaaat aaacgtagt 60  
gantcagcct ctctctctat aaacaatgac caattagacg tttccgtaat tccatgtatt 120  
atgtatagta cactctataa atgtaaatgt aatgcttgct taaaaagtgc aattttattgt 180  
acattgtccc aacaaatggt tacttttata atcgttatga acttgaattg gatttagtacc 240  
ttgtttttat gtgtgaatga agccttgatga aataacaaat gcaactgaga aggtacaagg 300  
tgactgtttt tgtgagccag tgatgttttc aatgc 335

<210> 402  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 402  
tctcttaaag gattaaaaga ataggatagt ctcataattg tgagtaaaca tcaaggcatt 60  
atattttaca atactgaata aaatttcac tacacacatg ttgccattgt ttcatttaag 120  
gttcagtgtc tatagttaac tacaatattg gacctaacag gatctagatt agcaatataa 180  
agaagcatag tggtagctctg tttcacactt tcagtagatt tattagangt caaattctat 240  
tcaacagaca cttnttagga tatacancta atttaag 277

<210> 403  
<211> 351  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 403  
tacaaatgca tattatccaa ctccagtagaa atccatgtac cccagaatgt acagaaggta 60  
tgcaatgttc cagagtgtca ttgtcagctc tggctttaca tatatattaa atatatatat 120  
gttttgagac aggggtctcgc tgtcaccacg gctggagtn c agtggccaat ctccagctcac 180  
tgcaacctcc gcctcccagc ctcaagagat cccccacct catnctcctg agtagttgga 240  
ctacatgcgc atgccaccac acccagctat tttttttatt tctttttgta gagacaaggg 300  
ctcactatgt tttctcaggc tgggtctcga actcctgggn ctcaagtgat t 351

<210> 404  
<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

<223> n=a,t,g or c

<400> 404	caatgtgctt	gtctagggttc	gctattgtga	gaatcaagtt	gatattttacc	taacctatat	60
	cctccacaaa	agcagacagt	ctggctctgc	tcttctttcc	tccatcctta	gcccacagca	120
	cagaaactgg	cacattgcag	gtgctttttg	ctatgtcagt	tcctcacctg	cttaaagagg	180
	tcagggagga	cagtcttcct	gggcgactcc	tggcctcagg	aactcagatg	tgtgagcctc	240
	gcccataaga	aacaaggtgg	aggaccctgt	agggcaggaa	aatcatgtta	acagctttgg	300
	cgtggggcac	tccccagga	taggcacagg	agctgtgcag	gncaagtaga	aaagagcact	360
	gggagaacgg	cccagtttca	cagaagagga	ggcagcaagt	ctgccacatt	tttgttatta	420
	ttgctgaaa	tttgtttcat	tcacttcgac	agtttcagga	attaaatatt	agggagatt	480
	tttttt						486

<210> 405  
 <211> 6383  
 <212> DNA  
 <213> Homo sapiens

<400> 405	cgcgccgct	atatataatg	cagcatcaca	ccatgtaggg	catttactct	tattttatac	60
	attcagatat	gtttgaaaca	ttcttaaggc	tacaaaacag	aacatagaaa	aataaacagg	120
	aatatattca	acacttacaa	aaagtgatat	gataaagaat	ataaagtact	agtttccttt	180
	taacacttca	aaagatatgt	atatatactt	ttttttacaa	gtaacatcac	aaatgctcac	240
	atcttcacat	gctcttaaag	tattatttgt	actcagtgt	aggctattat	cgtttttcat	300
	acataaaatt	ttctagctct	gtaacacaat	gcaattttta	atccattcaa	gtaagttcaa	360
	ccccaaagtt	gcccgttccc	agcattaaga	catgcacca	cccctcttct	aagattttct	420
	aaacttgat	ttcggggaga	aagacctctt	ttaaaaata	atccaattag	tgggagagta	480
	aatggctgac	attagtagca	aaaccttagt	tatctgaaaa	taacatattg	gaaatgagac	540
	attattagga	ttttaaacaa	acaatagcat	ttagacataa	agtaggaagc	aaaatacagt	600
	aaacagaaat	agtgtagcca	aatatcattc	tcttcagcta	ccttaagtaa	aagacaaaac	660
	atttacctca	tctaaaaatg	aaggtaaaac	gaaagaggca	aaaataaata	ttgctagttt	720
	ctaggatggc	tgaatgtttt	ctaaaccaga	aatgggttaga	aaggaacttt	attgcaccaa	780
	gtcaatcata	agcaagtttg	cagttcacag	gcattttaat	tcaaccttga	gtcaciaaagg	840
	agaacaacac	gctgcgagaa	tacagtctac	agtctgcatt	aaataagaat	atatcagcat	900
	tgtggtctgg	gaaaacctat	gcttgccagg	acaaggcagg	gtgctgagct	taggtcatgc	960
	catgaaaatg	aatttggtgg	ttatcagtaa	acagtatgag	gactacacag	atgccagcat	1020
	cctgctgcca	aggagacatg	gggcaagagt	tgaagatttg	agaggaaatg	aagagacata	1080
	cacaacacca	aaggaaaagg	gggctggaat	caagttcagc	caaagcacct	aacacaaaaa	1140
	acaggtgagc	tttggtcagt	ctgttcttca	aaatatgtat	gatcatatgg	taatgaagtt	1200
	tcataatttc	caactcaaaa	atacaaatga	tcctcagttc	tatacttttg	cctctattct	1260
	cttataaaga	aatatgtcaa	cataacagta	tgacataaca	gttaaaataa	ggacaaaagc	1320
	ttgcttatct	tagtttgacc	tcagcataag	gcaaaatccc	ctggagaata	catttaaaaa	1380
	caaacttaaa	aggaaaaaaa	gcgaaaccaa	cttcatgcaa	agattccttt	taaaactatc	1440
	aaaagtcagt	tcttttattc	cagaggtcac	tgagaaaagt	accatctgct	aaaattctct	1500
	ttcaagcact	tcttccatca	tatcctagag	gtgagatag	ggaaacagaa	agcaaatcag	1560
	tgttcctcag	gagctatatc	tgttactcaa	ttgagggtaa	gacaaagtga	caatgaagat	1620
	atgagtagta	tttccttcca	atttttaaag	attttcagaa	gctgagatca	aacccactc	1680
	aataaaatgc	aggagactag	aagcaacaac	ttattttgga	ctcctgagat	caaacacatt	1740
	gaactttcaa	atctgggtgt	ttctatcaaa	atgtgatttt	cattaaaatc	agtaagctag	1800
	tcctacataa	aaaagcatga	gctgaaagt	gaggaccctc	tatcttctca	ttccttaact	1860
	gagccaccga	tgtaagaaa	aaaatggctt	aagcgggtacc	ttcaacaact	attctagtta	1920
	agaaggtgac	aacaaattga	ggccgcgaat	tcggcgaaaa	ctctttcctt	tggttgtgct	1980



aagaggtgat	gcccgaagtg	caccaccttt	caagaactgg	atcatgaaca	actttatcct	2040
cctggaagaa	cagctcatca	agaaatccca	acaaaagaga	agaacttctc	cctcgaactt	2100
taaagtccgc	ttcttttgt	taaccaaagc	cagcctggca	tactttgaag	atcgtcatgg	2160
gaagaagcgc	acgctgaagg	ggtccattga	gctctcccga	atcaaagtgt	ttgagattgt	2220
gaaaagtgac	atcagcatcc	catgccacta	taaatacccg	tttcaggtgg	tgcatgacaa	2280
ctacctccta	tatgtgtttg	ctccagatcg	tgagagccgg	cagcgcctggg	tgctggccct	2340
taaagaagaa	acgaggaata	ataacagttt	ggtgcctaaa	tatcatccta	atctctggat	2400
ggatggggaag	tggaggtgct	gttctcagct	ggagaagctt	gcaacaggct	gtgcccata	2460
tgatccaacc	aagaatgctt	caaagaagcc	tcttctcctc	actcctgaag	acaacaggcg	2520
accacttttg	gaacctgaag	aaactgtggt	cattgcctta	tatgactacc	aaaccaatga	2580
tcctcaggaa	ctcgactgc	ggcgcaacga	agagtactgc	ctgctggaca	gttctgagat	2640
tactggtgg	agagtcagg	acaggaatgg	gcatgaagga	tatgtacca	gcagttatct	2700
ggtggaaaaa	tctccaaata	atctggaaac	ctatgagtgg	tacaataaga	gtatcagccg	2760
agacaaaagct	gaaaaacttc	ttttggacac	aggcaaagaa	ggagccttca	tggttaaggga	2820
ttccaggact	gcaggaacat	acaccgtgtc	tgttttcacc	aaggctgttg	taagtgaagaa	2880
caatccctgt	ataaagcatt	atcacatcaa	ggaaacaaat	gacaatccta	agcgatacta	2940
tgtggctgaa	aagtatgtgt	tcgattccat	ccctcttctc	atcaactatc	accaacataa	3000
tggaggaggc	ctggtgactc	gactccggta	tccagtttgt	tttgggaggc	agaaagcccc	3060
agttacagca	gggctgagat	acgggaaatg	ggtgatcgac	ccctcagagc	tcacttttgt	3120
gcaagagatt	ggcagtgggc	aatttggtt	ggtgcatctg	ggctactggc	tcaacaagga	3180
caaggtggct	atcaaaacca	ttcggaagg	ggctatgtca	gaagaggact	tcatagagga	3240
ggctgaagta	atgatgaaac	tctctcatcc	caaactggtg	cagctgtatg	gggtgtgcct	3300
ggagcaggcc	cccactctgc	tggtgtttga	gttcatggag	cacggctgcc	tgtcagatta	3360
tctacgcacc	cagcggggac	tttttctgtc	agagaccctg	ctgggcatgt	gtctggatgt	3420
gtgtgagggc	atggcctacc	tgggaagggc	atgtgtcatc	cacagagact	tggctgccag	3480
aaattgtttg	gtgggagaaa	accaagtcac	caaggtgtct	gactttggga	tgacaagggtt	3540
cgttctggat	gatcagtaca	ccagttccac	aggcaccaaa	ttcccgggtga	agtgggcatc	3600
cccagagggt	ttctctttca	gtcgctatag	cagcaagtcc	gatgtgtggt	catttggtgt	3660
gctgatgtgg	gaagttttca	gtgaaggcaa	aatcccgtat	gaaaaccgaa	gcaactcaga	3720
ggtggtggaa	gacatcagta	ccggatttcg	gttgtacaag	ccccggctgg	cctccacaca	3780
cgtctaccag	attatgaatc	actgctggaa	agagagacca	gaagatcggc	cagccttctc	3840
cagactgctg	cgtcaactgg	ctgaaattgc	agaatcagga	ctttagtaga	gactgagtac	3900
caggccacgg	gctcagatcc	tgaatggagg	aaggatatgt	cctcattcca	tagagcatta	3960
gaagctgcca	ccagcccagg	accctccaga	ggcagcctgg	cctgtactca	gtccctgagt	4020
caccatggaa	gcagcatcct	gaccacagct	ggcagtcaag	ccacagctgg	agggctagcc	4080
accaagctgg	gagctgagcc	agaacaggag	tgatgtctct	gcccttctct	tagcctcttg	4140
tcacatgtgg	tgacaaaacc	tcaacctgac	agctttcaga	cagcattctt	gcacttctta	4200
gcaacagaga	gagacatgac	gtaagaccca	gattgctatt	tttattgtta	tttttcaaca	4260
gtgaatctaa	agtttatggt	tccagggact	ttttatttga	cccaacaaca	cagtatccca	4320
ggatatggag	gcaaggggaa	caagagcatg	agtgtttttc	caagaaactg	gtgagttaag	4380
taagattaga	gtgagtgtgc	tctgttgctg	tgatgctgtc	agccacagct	tctgcccgt	4440
gagaatgata	gagcagctgc	tcacacagga	ggccggatat	ctgataagca	gctttatgag	4500
gttttacaga	gtatgctgct	acctctctcc	ttgaagggag	catggcagac	ccattggatg	4560
gattgggggtg	aacagttcag	gtcccatgct	tggagcattg	ggtatctgat	gtctgcacca	4620
gaacaagaga	acctctgacg	gtggagaacc	atgtggtgta	agaagagatc	ttaggtctct	4680
tctttatacc	aagctcatgt	tttataccaa	gctcatcttt	tataccaagc	tgtgcagggtg	4740
actatgcctc	ctcttctgca	cagaatgctt	ccaccagcat	cctgagaaga	aatgattact	4800
tctgtaaaac	atcctttttt	ccagcctctg	ggaatcagcc	ccccctctc	tgcactatcc	4860

```

gacccctcatc aacagagggc agcattgtgt tggtcagtgt tcccttggcg agcaattgaa 4920
acttgtttag gccctagggg tgagcaattt taagggttag actccaagtc tcctaaaatt 4980
ctaggagaga aataaagagt ctgtttttgc tcaaaccatc aggatggaaa cagtcaggca 5040
ctgactgggg tgcttccaag aggcattgaga gtgcctactc tggcttgagc acttctatat 5100
gcaaggtgaa tatgtactga gctaggagac ttccctgcaa aatctctgtt caccctgggt 5160
tcacatcccc atgaggtaat attattattc ccattttaca aataatgtaa ctgaggcttt 5220
aaaaagccaa gacatctgcc caaagtgatg gaactagaaa gtctagagct ggtattctag 5280
cccaaactcg tctgaccgca atacacagat tatttattcc tattagacac tggcttctac 5340
tgaaaatgaa acttattgca gaggggaataa atacaaagat ggaaagccag taaagaagtc 5400
agtatagaac cactagcgat agtggtgtgc tggcacagac cactgtgggt gatgcatggc 5460
cctccaactt ggaataggat tttccttttc ctattctgta tccttacctt ggtcatgtta 5520
atgacttttg agttattcag ttcttgaccc tttaattctc acaaccaacc agtcatgttg 5580
cttgaagcca ttatagacga gcttcaaagc aactttaaaa gattgttatg tagaagtatg 5640
agttcttcct ttaattatca ttccaacttt cagctgtagt cttcttgaac acttatgagg 5700
agggaggaca ttccctgata taagagagga tgggtgttgc attggctctt tctaaatcat 5760
gtgacgtttt gactggcttg agattcagat gcataatttt taattattgt gaagtggaga 5820
gcctcaagat aaaactctgt cattacgaag atgattttac tcagcttacc caaaattacc 5880
tctgtttact ttttagaatt ttgtacatta tcttttggga tccttaatta gagatgattt 5940
ctggaacatt cagtctagaa agaaaacatt ggaattgact gatctctgtg gtttggttta 6000
gaaaattccc ctgtgcatgg tattaccttt ttcaagctca gattcatcta atcctcaact 6060
gtacatgtgt acattcttca cctcctgggt ccctatcccg caaaatgggc ttctgcctg 6120
ggtttttctc ttctcacatt ttttaaattg tccctgtgt ttgtagagaa ctcccttata 6180
cagagttttg gttctagttt tatttcgtag attttgcat ttgtaccttt tgagactatg 6240
tatttatatt tggatcagat gcataatttt taatgtacag tcaactgctag tgttcaaaat 6300
aaaaatgtta caaatacctg ttatcctttg tagagcacac agagttaaaa gttgaatata 6360
gcaatattaa agctgcattt taa 6383

```

```

<210> 406
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<400> 406
cacgaggtca taatctagta tgcataagatt gtaaactttt agaaattaga aacttgaaaa 60
cctacacttt tgctttgggt attttacagg ttgtacaaa cataattgag aaaaatgcaa 120
accagagtg gaatcaggtc gtcaatcttc agatcaagtt tccttcagtg tgtgaaaaaa 180
taaaactaac aatatatgac tgggtgagttg aaaatacgta tgtgtctaata tcaacataaa 240
ataaacattg gatattgtga aacattaaaa aaaaaaaaaa aaaa 284

```

```

<210> 407
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<400> 407
cacaatgtgg ttaacatgga ttaatgtggg aatttggtt caagaacaca accttaggac 60
cttgggccca aaagctgggt gtgaaatgag aggagccaat ttaagaagac ctttatggag 120
acctgaggct gcagaaactg gtaggtttca tcaggtggtt aaagtcgtca aagttgtaag 180
tgactaacca agattatttc attttaaaac cacagaataa aatgacacc ttgagcttct 240
ctta 244

```

```

<210> 408
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<223> n=a,t,g or c

```
<400> 408
actcctcttg ctcgtcatgt ctggccgcgn aaaggcggga agggctcttg caaaggcggc 60
gctaacacgc gtnaaagtac tgcgcgacaa tatccagggc atcaccaagg ctnacatnnc 120
gcactttgct cgccgctgcg ctgganagcg attctccggc ctcatctacg aggagactcg 180
cggggtgctg aaggtgttcc tggagaacgt gatccgggac gccgtgacct atacagagca 240
cgccaagcgc aagacgggtca ccgccatgga tgtggtctac gcgctcaagc cagggggccgc 300
accctcttac ggttttcggt ggttgagcgt ctttttctta ccaattaaaa ggcccttttt 360
caggggcaacc ccttaaaaaa aa 382
```

```
<210> 409
<211> 1086
<212> DNA
<213> Homo sapiens
```

```
<400> 409
cggggcggcg gcggcggcgt gaagtcactg ctgctctggg ttcggggttg cgactgaagg 60
cggtagccggc ctcccggaac agcccggggg agggcttagg tgcagaaggg caggctggcc 120
gcggccgggt tgggtctgggg accacggggt ggagcagggt gaaattttaa attgtttaca 180
gtcaaacactg tttccagcca tgggtttgtc tccatctgct cctgctgttg cagttcagggc 240
ctcaaatgct tcagcgtccc caccttcagg atgcccgatg catgaaggga aaatgaaagg 300
ctgtccagtg aatacagagc catctggccc aacctgtgag aagaaaacat actctgtgcc 360
tgcccaccag gaacgcgcct atgagtacgt ggagtgtccc attaggggca ctgcggctga 420
gaataaggag aacctagatc cttcaaactc gatgccacca ccaaatcaaa caccagctcc 480
agatcagcca tttgcattgt ctactgtcag agaagagtca tccattccga gagcagattc 540
agagaaaaag tgggtttacc cttctgagca gatgttctgg aatgcaatgt taaagaaagg 600
gtggaagtgg aaggatgagg atatcagtca gaaggatatg tataatatca ttagaattca 660
caatcagaat aacgagcagg cttggaagga gattttgaag tgggaagccc ttcattgctgc 720
agagtgtcct tgtggtccat cattgatccg gtttggaggg aaagcaaaag agtattcacc 780
aagggcacga attcgttcct ggatggggta tgagttgcct tttgataggc acgattggat 840
cataaacctg tgcgggacag aagttagata tgtgattgat tattatgatg gtggtgaagt 900
caacaaggac taccagttca ccaccttgga cgtccgtcct gccttagatt cactttcggc 960
agtatgggac agaataaagg tcgcttggtg gcgttgacc tcgtaaagca ctgtttcaga 1020
tgaaaaata taaactattt ttttctgagc gatacattaa actattttcc ccagaaaaaa 1080
aaaaaa 1086
```

```
<210> 410
<211> 2149
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 410
gacatggcca acatcgcggt gcagcgaatc aagcgggagt tcaaggaggt gctgaagagc 60
gaggagacga gcaaaaatca aattaaagta gatctttagt atgagaattt tacagaatta 120
agaggagaaa tagcaggacc tccagacaca ccatatgaag gaggaagata ccaactagag 180
ataaaaaatac cagaaacata cccattttaat cccctaagg tccggtttat cactaaaata 240
tggcatccta atattagttc cgtcacaggg gctatttgtt tggatatcct gaaagatcaa 300
tgggcagctg caatgactct ccgcacggta ttattgtcat tgcaagcact attggcagct 360
gcagagccag atgatccaca ggatgctgta gtagcaaatc agtacaacaa aaatcccga 420
atgttcaaac agacagctcg actttgggca catgtgtatg ctggagcacc agtttctagt 480
ccagaatata ccaaaaaaat agaaaaccta tgtgctatgg gctttgatag gaatgcagta 540
atagtggcct tgtcttcaaa atcatgggat gtagagactg caacagaatt gcttctgagt 600
```

```

aactgaggca tagagagctg ctgatatagt caagcttgcc tcttcttgag gagcaccaac 660
atctgttatt ttaggattc tgcataagatt tcttttaate tggcattctc gcctaattgat 720
gttatctagg caccattgga gactgaaaaa aaaaaatccc tgctctgtaa ataaagctaa 780
ttaaacgtct gtgtaaattt aaaaaggga aatacttta tttttttct taatagtgt 840
aaaattccct gagctaagct aaaaccatgg aagaaacatg ctactttagt gtttagcagt 900
gtaccaagac tagcaagagt ttgcttcagg atttggttga ataattaaga taatatttgg 960
agtgtgtcag ggccattcaa attgttggtg ttgcatcaca gctaccttaa ctgtttttaa 1020
catggatcct ctgtgcctgt gaatttactt gcatgcttgt acttgacttc ttaggatggg 1080
tagctgaaaa gaccaccatt ttaagcattt gagaattctt aaatatgaaa tttattcaga 1140
attgaagatg gtgacctatt cagagccttt ttgtccttgt caacagactg ggacagtgtc 1200
tgattcccc ttcaccccc cccacccccg cttggcaca cacagctaatt attctaattgg 1260
taaatttctc tgtatcaggt ggggaaatgt gctgaaggac agtatgtatc cttgcttca 1320
tttttaggtc gtaggttttg aatgtcttgt ccagttctt caaacactct taaatttttc 1380
ttaagtaatg taaaaatgga actgccatt ttatttctct tgcaaaaata gtaataactt 1440
gatgttacat tattcccagg ttaaatgaaa gaaccaact tagtttttca gtgaatttga 1500
cacctatttt ttagtgatga aatttttctt tgagaactgg caaggatgca gtcagctgtt 1560
tgcagttttt agcctgattt tggggtctat agagattgct ttattggata cttcaagtca 1620
ttcttgcttg cacttccct attgacacat gaaagctgtg ttggtgtttt attgtacata 1680
cttcagatgc acataggaat agaagtgtgt tataaatcta gctttcttta tgatgtttct 1740
gataatacga gaattgaaaa ctttaccttc tcttgatcat agtcagacta tttgtattaa 1800
atttacattt cattctaagt tccaaaagtt tgaaaattat tagttttgca agatcacaca 1860
ctaattgaac cattttatga aggttgaagt ggatttatgc aggcagttct atatatagaa 1920
atncaattct ttttaattt ttaggaccaaa taaaaataa cacaatgta atggaatcag 1980
actgaattaa agtaaggctg tatattgaaa gtcataattat aaaagggttg ctttcttta 2040
gtgttattta tcttaaatla taatcgtaa atgtttggaa gataattttt gaatcataac 2100
gtcagcataa cttcatttga cttctcaata atcttgctga cgcggccgc 2149

```

```

<210> 411
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<400> 411
agactggacc tactgattca acttgagat gagcgggtct gtcctcttca cggcgggaga 60
gaggtggaga tgctttctga cccgctcag gtcacccctg tactgggcct tacataattt 120
ctgctgtcgg aaaaaatcca ctacaccta gaaaattact cccaatgtta ctttttctga 180
tgaaaatgca aaggagcccg aaaatgcact tgacaagctc ttctcttcag aacagcaggc 240
ttccatcttg catgtgttga atacagcatc tactaaagaa cttgaagctt tccgattgct 300
tcgtggaaga aggtccatca atatccgtag agcacagaga aaactttggg ccatttcaga 360
atttaagaga gtttaatgaa tgtgcccttg tttaagtata aaagtacagt tcaagtttgt 420
aactccatac tttgtccaaa gactggacgg ggaaaaaaga aagtcaccgg aaaaccggtt 480
cctgagaaaag ctctt 495

```

```

<210> 412
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 412
ccccagctc tcagggataa gaccagtcct ccagcgtggt ggtcagcacg gaagctccac 60
cttctgggtg aggcgccatc ctaaccatcc agccaggcca cccacaacct gagaatcagg 120
gagaaagtcc ctccccagca gccccctcct cctggctggg aagaatggtc cccagcaag 180

```

```
cacttgccctg ttcatteccg ttcatgtttt gcttctctct cagactgcct tectgcttct 240
gggctaacct gttccaagcc aggcctcctca atgtgacctc gcagttgaga agcccattat 300
cgtggggcat ctttttgcc acagcccctg gttagggcac tttggacagg tcttgctatt 360
cagtgaacct ttgtacattt caaagaagac tccatggctg ctccagatgc ccccttgctg 420
ggtgcagggtg gggactgtcc aatgcagagt ggcgggacag agagttaaag caattcctgg 480
gtctccttct tatgactgtc tatgggggtga attgccttct ggggttgtct cgatctgtgn 540
ttcaataaat gccgctgnaa tgcaaaaaaa aaaaa 575
```

```
<210> 413
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 413
cctcagtcctg atgggtgaatg gctattcgta aatggctggg ctggctcttt ggtgttggag 60
cctttccaat agcccatga aaagaagcat caccacagga tattgtaaaa aggatgtaac 120
aaggagatag ggtagacatt gtactcagtg ggccttgggg ctgagccnag ctctgagcag 180
aggactgtgg cattcactgt ccttgagtgt ttcaccttct tggataacac acgggccttc 240
tcttctggat ttcatcagag attacagcca gatgggggct gaagaccatc ctcttgacca 300
cagaggtgtg actgtnggaa ttcctcccaa tttatgggtt tccca 345
```

```
<210> 414
<211> 2584
<212> DNA
<213> Homo sapiens
```

```
<400> 414
gaggagcagc gagtcaagat gagagttcag ccgcggcggc agcagcagca gactcaagaa 60
tgaacaatcc gtcagaaacc agtaaaccat ctatggagag tggagatggc aacacaggca 120
cacaaaccaa tgggtctggac tttcagaagc agcctgtgcc tgtaggagga gcaatctcaa 180
cagcccaggc gcaggctttc cttggacatc tccatcaggt ccaactcgct ggaacaagtt 240
tacaggctgc tgctcagtct ttaaattgtac agtctaaatc taatgaagaa tcgggggatt 300
cgcagcagcc aagccagcct tcccagcagc cttcagtga ggcagccatt cccagaccc 360
agcttatgct agctggagga cagataactg ggcttacttt gacgctgcc cagcaacagt 420
tactactcca gcaggcacag gcacaggcac agctgctggc tgctgcagtg cagcagcact 480
ccgccagcca gcagcacagt gctgctggag ccaccatctc cgctctgct gccacgcca 540
tgacgcagat cccctgtct cagcccatac agatcgaca ggatcttcaa caactgcaac 600
agcttcaaca gcagaatctc aacctgcaac agtttgtgtt ggtgcatcca accaccaatt 660
tgcagccagc gcagtttatc atctcacaga cgcgccaggg ccagcagggt ctctgcaag 720
cgcaaaatct tcaaacgcaa ctacctcagc aaagccaagc caacctcta cagtcgcagc 780
caagcatcac cctcacctcc cagccagcaa cccaacacg cacaatagca gcaaccccaa 840
ttcagacact tccacagagc cagtcaaac caaagcgaat tgatactccc agcttggagg 900
agcccagtga ccttgaggag cttgagcagt ttgccaaagc cttcaaacia agacgaatca 960
aacttggatt cactcagggt gatgttgggc tcgctatggg gaaactatat ggaaatgact 1020
tcagccaaac taccatctct cgatttgaag ccttgaacct cagctttaag aacatgtgca 1080
agttgaagcc acttttagag aagtggctaa atgatgcaga gaacctctca tctgattcgt 1140
ccctctccag cccaagtgcc ctgaattctc caggaattga gggcttgagc cgtaggagga 1200
agaaacgcac cagcatagag accaacatcc gtgtggcctt agagaagagt ttcttgagga 1260
atcaaaagcc tacctcgga gagatcacta tgattgctga tcagctcaat atggaaaaag 1320
aggtgattcg tgtttggttc tgtaaccgcc gccagaaaga aaaaagaatc aaccaccaa 1380
gcagtgggtg gaccagcagc tcacctatta aagcaatttt cccagccca acttactgg 1440
tggcgaccac accaagcctt gtgactagca gtgcagcaac taccctcaca gtcagccctg 1500
```

tcttccctct	gaccagtgtct	gctgtgacga	atctttcagt	tacaggcact	tcagacacca	1560
cctccaacaa	cacagcaacc	gtgatttcca	cagegcctcc	agcttcctca	gcagtcacgt	1620
ccccctctct	gagtccctcc	ccttctgcct	cagcctccac	ctccgaggca	tccagtgcc	1680
gtgagaccag	cacaacacag	accacctcca	ctcctttgtc	ctccccctct	gggaccagcc	1740
aggtgatggg	gacagcatca	ggtttgcaaa	cagcagcagc	tgctgccctt	caaggagctg	1800
cacagttgcc	agcaaagtcc	agtcttgctg	ccatggcagc	tgctgcagga	ctaaacccaa	1860
gcctgatggc	accctcacag	tttgcggtg	gaggtgcctt	actcagtctg	aatccaggga	1920
ccctgagcgg	tgctctcagc	ccagctctaa	tgagcaacag	tacactggca	actattcaag	1980
ctcttgcttc	tggtggctct	cttccaataa	catcacttga	tgcaactggg	aacctggtat	2040
ttgccaatgc	gggaggagcc	cccaacatcg	tgactgcccc	tctgttctct	aacctcaga	2100
acctctctct	gtccaccagc	aacctgttta	gcttgggtctc	tgccgcccga	gcatctgcag	2160
ggaactctgc	acctgtagcc	agccttcacg	ccacctccac	ctctgctgag	tccatccaga	2220
actctctctt	cacagtggcc	tctgccagcg	gggctgcgtc	caccaccacc	accgctcca	2280
aggcacagtg	agctgggagc	agctgggctg	ccagaagcct	ttttcactct	gcagtgtgat	2340
tggactgcca	gccaggttaa	taaactgaaa	aatgtgattg	gcttcctctc	gccgtgttgt	2400
gagggcaaa	gagagaagg	agaaaaaaa	aaaaaaaacc	acacacacc	atacacaata	2460
taccagaaaa	ggaaggaagg	atggagacgg	aacatttgcc	taatttgtaa	taaaacactg	2520
tcttttcagg	gttgcttcat	gggttgagg	actttctaac	caaaaattaa	aaaaaaaaaa	2580
aaaa						2584

<210> 415  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 415	
cctcttgctt	tctgcagagg atcagctggg cctgtccctg ctcagcctgg agcagctaga 60
atcagaggag	acgctgaaga ggatagagca gattgctcag cagctctgag tggggcgggt 120
ggggccataa	acggttccctg gtgactcctg agtcttgctt ggccctgggt cccagcggcg 180
gtgggtgctag	aaggtcttat gaagtcaggt gacatttctc actgtcacgt ccacagcctt 240
taatcgagg	agaaggcagc tatccaccag gtacc 275

<210> 416  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 416	
tttattat	tgaatgattt aatgggtttt tacacaattt acatcacaac atgtaaattt 60
tagcagtaac	atctgattct aacagcacat catgctattc ctttcataga gccttcagag 120
attcaatgct	aaacaaattt ccttagttgg catcaaggca ctgatcactt tagaggcttt 180
taagaaatta	tttaaagatg caaatgcctc tgagtgaagt gtactatccc atcactgaag 240
cccacaggaa	caagtcctac aatttttaaaa aggtctgatg gaaaaatttc tcaatcctga 300
aatcccctag	ggaagggg 318

<210> 417  
 <211> 1297  
 <212> DNA  
 <213> Homo sapiens

<400> 417	
cctaagtcgc	cgcagaactg ccacgtgggg atgagatttg ctgggctggg agcggcggct 60
gctgcgggga	ggctccgccc acgtgaagcc agcctaactg agctctggac tttggggaca 120
gctgtcagtg	gcctaggccg caggacacca tgaagcaact gccagtcttg gaacctggag 180
acaagcccag	gaaagcaaca tggtagacct tgactgtccc tggagacagc cctgtgtctc 240
gagttggcca	cagctgttca tatttaccac cagttggtaa tgccaagaga gggaaggctc 300
tcattgttgg	gggagcaaat ccaaacagaa gcttctcaga cgtgcacacc atggatctgg 360
gaaaacacca	gtgggactta gatacctgca agggcctctt gccccgggat gaacatgcta 420

```

gcttcattcc ctctgcaca cctgaccgta tttgggtatt tggaggtgcc aaccaatcag 480
gaaatcga aa ttgtctacaa gtctgaatc ctgaaaccag gacgtggacc acgccagaag 540
tgaccagccc cccaccatcc ccaagaacat tccacacatc atcggcagcc attggaaacc 600
agctatatgt ctttgggggt ggagagagag gtgcccagcc cgtgcaggac acgaagctgc 660
atgtgtttga cgcaaact ctgacctggg cacagccaga gaccttgga aatcctccat 720
ctccccggca tgggtcatgtg atggtggcag cagggacaaa gctcttcac caggagggt 780
tggcggggga cagattctat gatgacctcc actgcattga tataagtgc atgaaatggc 840
agaagctaaa tcccactggg gctgctccag caggctgtgc tgcccactca gctgtggcca 900
tgggaaaaca tgtgtacatc tttgggtgaa tgactcctgc aggagcactg gacacaatgt 960
accagtatca cacagaagag cagcattgga ccttgcttaa atttgatact cttctacccc 1020
ctggacgatt ggaccattcc atgtgtatca ttccatggcc agtgacgtgt gcttctgaga 1080
aagaagattc caactctctc actctgaacc atgaagctga gaaagaggat tcagttgaca 1140
aagtaatgag ccacagtggg gactcacatg aggaaagcca gactgctaca ctgctctgtt 1200
tgggtgtttg tgggatgaat acagaagggg aaatctatga cgattgtatt gtgactgtag 1260
tggactaata aaaccacat ttttattaaa aaaaaaa 1297

```

```

<210> 418
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 418
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tctgtgtgtca 60
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctgt gtcttaccta 180
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtgt gtatttagaa 240
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300
ctctttttat taatttttcc attattataa aagatggcca aatacatata tttctatgga 360
aatgaatca agtcttatnt attttacagt taaaatttca ttattcctat tttaactgat 420
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

```

```

<210> 419
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 419
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca 60
ctctgagaat atctgtcatc tgcctttgac accttataag ttgattcttg agcattaatt 120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt 180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc 240
tttctttcag cataagactt tgggtcaggg gaaagtatat ttattttgta atgtctgaca 300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg 360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct 420
gg 422

```

```

<210> 420
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 420
aagattatag gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60

```

```
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388
```

```
<210> 421
<211> 421
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 421
tttttntntt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac 60
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaacgt catttaagct 180
taccctgtaa tttttaataa ctttataagg agcaaagtgt tcaccttaaa aatgtaccag 240
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300
ccttttctta caccagtatt caccaatcaa catccatgcg gtgttttatt tgaccacat 360
cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang 420
t 421
```

```
<210> 422
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 422
gctttcagga aaggtttatt gtggtgagtg ccttctgtac agtcaactgc aaatgaaacg 60
cagaggatgg gtgcccagaa gcaactgcggc agaggcgcac gggagagccg gggccaggct 120
catgcaacac gacgctcacc gcggtcggg cctggggcgt cagagaaacc tttttaaaaa 180
atggagatga atgttacaga attggacaac ccgaactgct tttcaaaacc agaggaagga 240
ggttcttaag ccgttactca gataccagtg ctggggaggg aggcctgact tcagcaacag 300
ctgtgggtgg gctggaggcg gcgcantttg gggnccccca cgccagctgt ctgaccacc 360
accttggtcg gcgctttgct ccgagggggg cagcaagagc aactgattgg ctgccacttt 420
ccaggccccg agagacaggg cctcacgtaa cttta 455
```

```
<210> 423
<211> 415
<212> DNA
<213> Homo sapiens
```

```
<400> 423
ttcttgcttt ctttaaactt ttattttaaaa gtccatgcta ataatgtgtt tacattttta 60
cagttacatt atgatagaaa ctgttggtt ttttaaatat ctaaaacaat ggcccactga 120
agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415
```

```
<210> 424
<211> 421
<212> DNA
<213> Homo sapiens
```



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 424  
 aatggtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtagtg 60  
 ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatcccac gatacatgaa 120  
 tccaattcca atgctgtttt ctttctatct cagcaacact atacgtagtt taatagtcaa 180  
 gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240  
 taccaaggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300  
 ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcatctt 360  
 ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420  
 a 421

<210> 425  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 425  
 tgacgtgtta cctgctatct ttattcccca tttgccatct tctgattggg ggttgatggt 60  
 ttacagattt ttttttcaaa ggctttatct cagtttctga ggtaggatg cccctgtgcc 120  
 cctcgtcca cactgggca ggtctaaact tccttcagg atggcctcca cacacagcct 180  
 cccacctggg gtcacctggc ttctctggggg acccgcaang anggggcagg gagcagcagt 240  
 ccgggtgctg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300  
 tcagcatggc gtgggtgggg agagcgtttc tccttggggg cctgagccag tgactcctgt 360  
 taggacctt gtcccacctc cgctgggtgg accggcagga cctgggtctag ccagtcctgc 420  
 agcctccatt ccccccacctg c 441

<210> 426  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 426  
 aatcagcagc aagcagaatg ttaattaata gtctaagatg atctgagagt taattaatag 60  
 actaagatta tctgtggtct atttattgac cacaccttat aaacaggata ggtttttctt 120  
 attttgagac ttacatgtc tcagtacttt ctaaattgaa atcagagcat taaatcaagg 180  
 gaattgatgt ggacaaaaca gctgccagca tgatagtgtt tgtgaattat gtacctctct 240  
 tagacataaa ctcttagaca taaactcata aaatctgttc agaactga acagatttag 300  
 atttaccata gccataaaa tttggattta gtgggttagt ctcagcattt catggaatcc 360  
 tgagatgccc aaatctctgg aaacttcccta tttcctgttt tactatcttt ttccttttat 420  
 caaatgggt gccatgaggg tcccagacca aaactcacca tcctggaaaa acaaaagtct 480  
 ggggagagaa ctccnggttt tatttcagat gatatatgtg ccaatcnttg gaataggtn 540  
 ggtcataatt ataataggat t 561

<210> 427  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 427  
 tttttttttt ttttttgctg agaccggtaa tattctttgt ttatagtagt aatatcattt 60

```

ggaatagcgt gtttaagagt aataaataca gtctcttgga cacgggactc acttatcagt 120
tcatactaca ataaaaatcat tttggaaaat atactactaa taatatattt caccaaaaaa 180
caatattaca attttcttta aaattatacc aattatgact catacaatag caacacctag 240
aaaacatttt gtctgacgtc ataaaatgag tgcagatata aaagaatcaa cagcagataa 300
tgcacctaata tcatggatta aagacaaaga ttaaaaagga aagaagagtt tgtcatttta 360
catatcagng gaaatataat aagttaagtc tacaataatc tgggttgaat gcatcacact 420
tacacattga aaatttatca gactgac 447

```

```

<210> 428
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 428
tgaaaagatg aaagctgaaa aaagttaggt ttggtgtagg ttacaccaat ggatgttggt 60
gcctcctact ggtcctaaca aaaatataag tggtagcagc aggcactact tcgcatacca 120
atgtgaagta aaaattccct ttcattctgtg gtcaagtatg gaaaaattat gaaggctctc 180
attaaatcca catttttttaa cccattaaat tatccttata aaaattcaga taaactactg 240
tcataaatgc aactgcactg cctcaaggac ctaaaaactg ttttctaat caactagatg 300
gcataatcag gtaacagcag aaacagatag tctagtgaat ttccgagagt caaaatatgc 360
tactttgatg cttattaaac actgaaaact ttcacaatac taactccagt taagttgggt 420
gaggttaaa 429

```

```

<210> 429
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 429
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccacccacc ctgcccacc 240
ctctacaggc acacatatcc acacaccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcgagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446

```

```

<210> 430
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 430
agttgaatta gctaaacgaa tccttgattt tatttttcac acagcacaaa tgcaggtagt 60
acacagtaag ttcataattc cccacaaaac ttataaactt aacaaatggg aatctaaaca 120
taatattctg aatcacccat agctatccac tgtgtggaat ccattctaca gcagcagagg 180
agtaccttaa tttaaagcac caagtttcca ggcattacta caaatatctt cttttcattc 240
tctaatacat gcagtcaaac tgcctatgaa gcaaatacca attcatctta cgctttaaca 300
gataaggtaa agcacttggtg aaatcaacat tattcttaag tctgaaagtg attctacctc 360
tttacctatt atattttctc ccatgaaatt ttaaaacttt aatggagtta tatttaatat 420
gagaataaat taaaatttga acttaatgtc tttcagattc tccagcgttt agaattgtat 480
atttgtttta tgtctgaggg aacaaaacgt aatttcnaat ttagatatcc tggctacctt 540
attaaaggta cattataatt tatagcaagg aatatcatcg gttggccaac atacggattt 600
aaaaatnccc aatg 614

```

```

<210> 431
<211> 154
<212> DNA
<213> Homo sapiens

<400> 431
tgtacatctt tattatttct aaagcacttt cctcaaccta atttcagttt ttacaattgg      60
tactcaagaa aatagagaca gaaatcattt gattttgccc agaaaccatc tgcttatatt      120
tataaggcca cctaatttga aatcacatat agac                                     154

<210> 432
<211> 315
<212> DNA
<213> Homo sapiens

<400> 432
ttcgaaccc aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac      60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc      120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag      180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc      240
tgcaccagcc cttccagtgc tctgcgcac ccggtgctgg catcacgct cctcatctcc      300
ttggggagaa gccag                                                  315

<210> 433
<211> 433
<212> DNA
<213> Homo sapiens

<400> 433
atctatgact acaggaaaac atttattttac atgccctcta caaaatggat ttacaaaaca      60
tagtaactat taggttacat gaccttgctc ctatcttccc cattgtgctt cttctctata      120
gaaaatccaa tatgaaatga caaagagtac tgtactcaga ataagaactt catctatcat      180
aaatgtacac ataaatatca gtgaattgtc atactcaaga ctgagattca ggaacttctt      240
catcagggca gcagtaatat tccacaaaac atatttgtec atcttcattt ctaatcatat      300
actgtaatga aaggaagcct ctgttatctg tccgaataga taccttacia gataggacta      360
atgcctttgt agagggtttc agtaaggga tcttgatatc gttgacttgg gtctgattac      420
aatgaaatgc ttc                                                  433

<210> 434
<211> 182
<212> DNA
<213> Homo sapiens

<400> 434
tatgagtggc cggcagacag ctatatttag tggcgcctcg acactcacga accgccagcg      60
tggcgcctgg atcttgccca gctgccagct cccccacca ggactgtggg tcttcagttt      120
ctcctgccag ccccggtcca tctcagggca aagctataga catggtagat ctcacggggg      180
ag                                                  182

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435
caaacctcct cttttcaaat caggaagtat acataaagtg caagtaagggt tcattccctc      60
gctgtgctcc taggtctctc tcttgatagt attaccgaat ctatcaggta aaccgctggc      120
cgagtaggat gtctgcagga atttctggag ttagcaaata acttcatctg gcaaagagag      180
tatctgaaga tcaacacagt cttggcaaga aaacatgaag taccacacac aagacagggg      240
tgtgaaggat gcaagaagta gcaggagat tgttgctact gaagaggcca tctttggatc      300
tcaaagaatt taagagaatt caggaaccgt tactaaaatg aacaaggcca gcagatttca      360
gagcacggtc agtcttcagt gagggcagat tcagttttcc tagttaaatt cctgaatttc      420
tttttggtct ctgcccttcc ttcagcatca aagtaccaga cagtcatagc atatct       476

<210> 436

```

```

<211> 379
<212> DNA
<213> Homo sapiens

<400> 436
aaccaccacc accacagcca ttatttaagt gcttgccagg cactgtgcta aagctttaca      60
aacattgttt cagttattcc aacaaccctg aggtagatat tttcaacatg cctccctcca      120
cccatgttat tatagttgag gaaactgagg ctgagagagg ttaagtaaata caaccaagggt      180
caaaccagc tggtaagtag tgaagctaga aattcaaacc aactatatgt gactccaaaa      240
tccatgcctt taaacactat cctagattgt ttaccattga aagttaaagg acatatgctc      300
cttcccaaaa tatgagaata gatttttcagt gggaaagcag gggggagcca tatgtaaatt      360
ctttcatcag ctatgggac                                     379

```

```

<210> 437
<211> 403
<212> DNA
<213> Homo sapiens

<400> 437
tttttagttt ggttttgatt ttaaactttt tattattgaa atttcaaaca cataaaaaag      60
tagaaatatt agaacaataa gtctccatga aaaaaaact cacttaaat tatcaacatg      120
ttgccaattt agtttccagc tctctttgcc aattattttt cttttgctag aatattttta      180
tccaaatgtg tctatcttca ttcatagta tgtatctcat atcatacgat cttttatttt      240
ttataatcac actgacataa tccctaacca aattaatata tgtaaataatc atttaaatatt      300
tagtccatgt ccacacttcc ctactgtct ccaaaatggc tttttatgtt ttgttcaaac      360
caggtccaag taatgccaac atactgaatt tagttgatat gtc                                     403

```

```

<210> 438
<211> 522
<212> DNA
<213> Homo sapiens

<400> 438
cagtcctaga gcctgcagta ttgtaatttt ttgtaaaacc atgtaaccaa atacttaaat      60
atatccacaa catctatacc acagaaatgc atagtacata atatactaac atctcaaaat      120
aaacttctat tacagtttta tgcaaattat ggtaaaagat tatcacctgc cacattttga      180
aatggcacca acttcaacat caatgcacta gtcaaaatcc ttactagaag tgatgtcttc      240
tgcattatca tctgaacatt caaaatcaag ctgttaatct aataaccaca gtatgttatc      300
atttaaaatc actgtatatt tggatgttaa agcaggtagt aatacagcag gaaaagtgtt      360
tctaattcac agtttcaaaa ctaaaggggtg cagttttcaa atatctgatt gcttaaattg      420
gtcactcaat ttaacaactg cctccttcaa tacatgtaaa ctatgtttgc acagcattag      480
gagatgtctt ttatttcaga attagttctt actgttacag ga                                     522

```

```

<210> 439
<211> 353
<212> DNA
<213> Homo sapiens

<400> 439
gttattttaag gatttgttta atgtttttaa attcaaagca ctttaaatta ttttaagaca      60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtgggaaga      120
atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaagggt      180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc      240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc      300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta                                     353

```

```

<210> 440
<211> 416
<212> DNA
<213> Homo sapiens

<400> 440
gcatctaact gtccataaat tcatggctac agtagagatt cacggcgcaa cgactttcat      60
actggttatt tttttttaat tctgtcagtg agcagcattt cccagtttta cactccctta      120

```

atggcagctc	cattagggcga	gactgcagggc	tgcattctgtg	attaggtcca	tgcagctcga	180
agatcagttc	ggcacgcggg	aggggtcccga	aagctgggtc	tgtccagtgt	cttgcagcag	240
cggttgacag	gggtctacca	gctcgccctg	acagcttcga	tatcgctaac	caaattctgg	300
gccaggcata	tcccaaatat	ctgcagcaat	gcaatgccta	tgaaaatacc	agcaacgatg	360
gttaaattgt	cctgcaacca	cttctcaaac	tggggcacac	agctttcgtg	tagatt	416

<210> 441  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 441	agtcaactgg	ttaaagtttat	ttcataagta	taagtaattt	taagcctttt	actaaactgt	60
	aaatttcaat	ccattaaaaa	ctactaccgg	agcagttttg	aggtattact	gttaatttag	120
	tatagaaatg	ttactgtatt	ttgatgtggt	atgaaatgca	gccgccatgc	ctttcatgaa	180
	acggtgctat	cgtggtgctg	actacagaca	tgtcctatgg	ctttcaggaa	attattgtgc	240
	atgtgcatta	acagattttt	caaacattaa	tgacaatttg	attggttagt	catttgtaag	300
	catacaaaaa	taataaaagta	tagcccacgt	atgagccaaa	cacactgaga	catttgaggc	360
	atacaatgct	accctccagt	ctactttcgt	cagaaaccaa			400

<210> 442  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 442	tttttttttt	tttttcacat	acagtctttg	ttttaatggt	tattggtaga	aacagatctt	60
	caatgcatac	tttgtgttta	tataaactct	acattctctt	aaaggttttc	gttttgtttt	120
	cactggagat	ttttagcctc	caagtgaact	taacatattg	cctatgcata	tgattcttta	180
	tagactttta	gatttttaag	ctaaatttga	gaaaccatgc	atactgtata	ccttatttaa	240
	taatccaaag	aattgtttgc	actttcaaaa	aagttacaaa	aaggctgaac	acaagttaaa	300
	taacctatat	gatgtaaatt	ttccatttct	gaatactttt	tcagtattat	atattgcttg	360
	ctgtctaata	agttagattg	tcagagacgc	ttcagtaaat	tatctctact	ttaaaattat	420
	atctga						426

<210> 443  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 443	ttttttttta	gtcataaaac	cgattattta	attgaagcta	taaaaaagg	agtataagtg	60
	ataaaataat	taggaaagaa	tatttagcat	gtttcaaaac	atttaaaata	ggagcagaac	120
	attttacaaa	aagttgtaca	ggaaattaaa	ttcttaaact	atcagtacaa	acatgacatt	180
	acagagtatc	ttataaaata	caaagacaaa	tataaaagga	ctatgatgct	ttaagtctga	240
	aaactattgg	ccaaatattt	aggttttaaat	ttacagttcc	tgggtatgag	aatcatatta	300
	ctatatacat	ctcccaaacc	agtaggtagt	attttccaat	taaccatgtg	tggtatcatc	360
	ttctacaaag	tctttggcca	tctctgctgt	gatcacatca	atatgactaa	ccttatttct	420
	gaactttaca	ccatagaatt	tgtcagctga	ctcaag			456

<210> 444  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 444	tcctttat	ttctgtttat	ttttcctgct	tatgaaaaca	gccaacaatt	gcctttcaag	60
	ggaaggggaag	gtaatgctgg	gaaaggctct	caggagccct	gagccaagtt	ctcaagagag	120
	aagtgaggca	gctggggatc	tgggaggcca	gagtcggggc	cagggcctca	gcatacctaga	180
	accagggtcg	cctcccgaag	agcagttcag	agggcgtgac	tccatacggg	cagggcggtc	240
	ccacacaggc	ctggaacacc	cttctcctca	gccaggggag	ctcatcaggg	tctgggcctg	300
	cttcagttct	g					311

```

<210> 445
<211> 332
<212> DNA
<213> Homo sapiens

<400> 445
tttttttttaa tgtagattct ttattgattc caccaatgta ttagtagata tgataataat      60
aatgggtatt tttacattct cttaaccaaa aatataacaa atatttacac tcagtaaaaa      120
tacaaaaagc atacagaggc actgtctttc taaaagacat aagtttaaga ggtatcgaaa      180
aataggagac aaacattgct tgttacagga taccttacca tcaatgaatt gtgcagtaga      240
attgctatct gattattaca gatgtgcagt tttgtttctg tcctttgctg attagcttac      300
atgtctcaat tttaaaagat caagttcaac tg                                     332

```

```

<210> 446
<211> 385
<212> DNA
<213> Homo sapiens

<400> 446
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa      60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat      120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg      180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc      240
cgtgacaggc agaagcatgt gatggctcctc agtcccaagt ggaagagcta atggtaaagt      300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg      360
ttcactcaaa gtatgatcct ctgca                                         385

```

```

<210> 447
<211> 500
<212> DNA
<213> Homo sapiens

<400> 447
ttttggaata ccatttgtgtt tattgatcaa acctggcttc gagtgtgaca gagccattct      60
tggtttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcatt gagactcacc      120
tgaatcccac caaagtagta gctggacca gtagcctagc ttattgtctt ggcagtgcct      180
ctaccagta ccattagacc tggttttgct ccttacatag gacagactgg gcttctccac      240
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg      300
agtcatcaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg      360
agtccctggc ttgttccaga gccctggccc ttgagccctt ggactgggtca gtgcatggac      420
actctccctt ccagctcgg gcggaagact tttctgact tagctgctcc atacacacaa      480
tctataaata tgtatttgct                                         500

```

```

<210> 448
<211> 379
<212> DNA
<213> Homo sapiens

<400> 448
tttttttttt tttttttttg gagctgatgc ctctctttat tcatgtattt catccctgc      60
tgcttggttt ctctgaatc cccttggtcc cctaaatagc acccccagtc cccgccctta      120
gccagctgc aggtggagta gcagctgctg tctccattca gcagatgggc agactgaagc      180
ccaagagtgt ggagcccagt ctgaggtcac acagcagtct cctgggttcc cacttggcct      240
tcaatgggga gggaggactt ggccctgggt ccgtgcgccc tactgcagg gtggctggct      300
gcggcacgtc gcaggagct gccaatctgg tctctgaggg cctccagtct ctgggccagg      360
tttgaaccc cgccccac                                         379

```

```

<210> 449
<211> 433
<212> DNA
<213> Homo sapiens

<400> 449
ttgttttttt tttagatcta ccttcagttt tgtcattttc cagtattcac aatcctttca      60

```

aagtttcctt taaaggggaa aaaacagagg cttgtaagaa atatgctcaa agaggttcta 120  
 ggacttacag acatcccatt ccagtataag atacaaaagg caaaatgttt cctttaccca 180  
 tgatccaggc tagctccaag aatcctaaaa acgatgtttt aatttggaat ctgggatgcg 240  
 gcgttttgtg gattaacatg tgttctgaca caaggactac tctacttcct taagaaacat 300  
 gagcaaaaat gctttgctca acaacctagt tatgtatgta caaatgggta tcatggctct 360  
 tactgataaa aaacttataa gcaatttctg ttacaaaatc gatcttgcta acagggtctg 420  
 gtgtataagt tag 433

<210> 450  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 450  
 gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60  
 acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120  
 gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180  
 acacccctcc accaactgtc aatgttg 207

<210> 451  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 451  
 caacttgacc taagtgcacat ttatagaaca ctccgcccag caacagcaca gtacatatc 60  
 ttttcaattg cacatggaac attcaccaag atagggtctca atacatttaa aaggntcaaa 120  
 attatgttaa acatgattaa caaaacagaa cattttgtag aagagctaga ggattaagta 180  
 aaaaaaaant tcctaganta cgnagacact aaaagagtat ataagtgaag aattgagggg 240  
 ggatactgtg ccnggaagta cagtgtctac tagaagtttc agaaag 286

<210> 452  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 452  
 ccagtcgggt tggagtttat ttctgccaga gcttgagggc tgggagggtg aaggacactc 60  
 ctttagtccc agagggaagc tccgaaccct cagagcaacc agaaggaggg gcagagcatg 120  
 ggcagcagca ggagtgcagc ggggtccctt gtcttgcctt tttgcaaggg ttcaaggctg 180  
 gtggaggcct ggggcttctg tcgctcagga gttcaggggt ggacgcagaa atgggggaag 240  
 gagagtggct acgtagagag tgagagcgag attcctaaaa agatgcacag agagaccctc 300  
 agagagaagc agagggaatg ggttgactg gctgaggatg gtggaggagc cgtctcactc 360  
 ccttcctaag gtctatagat caataacgag ggaagaaagg aggacagggg gctgatggaa 420  
 acacagcttg ccaactgtac ccagtcctcc aacaagc 457

<210> 453  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 ttttattcct tcttgaggct tcattttgtt caaggctcact accttgatgat gcttttagact 60  
 tttgggtagg atgaataatg tgtttttctt tggtgtagga aggatccgaa gataaagctt 120  
 cagaagatgg tatactaaca tttttaggat ctgctgatga agcaatgggc ttttaagttta 180  
 tcatagaagt aacattttta ggggctgctg acagttctgt agataatgtc tgtcgaacaa 240

cataacccat	tgggtgtccaa	gataactctc	ttgtacatga	aggagaattg	gtagcggcat	300
tagcagttac	agattcattt	gggttatatt	tcaccactat	ttcacccctt	gataaactg	360
cagctgggtt	tactacttct	cttagaagag	aaatgtcgg	agagacagag	tggaacaggtc	420
cccacttggg	ttgcttctgt	atctctgaca	tattgttctc	tgacaccttg	agttcaggaa	480
agtccagtgt	ggtaaattca	aactcaggtt	tggaagtaga	tacatt		526

<210> 454  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 454	tttttttcaa	ggattcacaa	actatggcat	tttatttcag	agcctttgct	tacatttgta	60
	caatatatta	cataattcct	cattgtttgc	agatccta	atatacttta	tagcttttat	120
	tctataagct	tttttcttca	acattttgct	gtcaacaaat	ctttacagtc	ctgtacaaat	180
	ttgaataact	tgaaaccatt	ttcaacaaaa	ttagttactg	taagcacaca	ctacaagact	240
	gaaaatgctt	ttcttagaaa	agttgaatgt	aaaggattct	gacacgtag	catctacaac	300
	aaaacgcatt	gaaattccca	cgtcgtattg				330

<210> 455  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 455	tttacacaag	aaagtgtctg	ttacattggt	gttttgtgtt	atttagtgat	ttgttcagcg	60
	ctcatctctt	ccaccagact	gcgttctctg	aggacaggga	ccttaaagca	cctcacatag	120
	ggtgcgcgtc	tggtacactg	tcgccgagta	ccagacaacc	agtgtctcac	acgggggaag	180
	acgatgaaga	cagcaatggc	atccttggga	agatgggcag	gagaccccat	gacacctggc	240
	acctgggcct	aagctgggag	gccagcggcg	tcccaggag	accacggccc	aggctgggag	300
	cttgaccggc	cagacgcccg	tgggtgggcc	tgggcctccc	gcctgggagc	ctccagtgtg	360
	gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
	cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 456  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 456	gaaatgtaag	tatacagatt	ttaatttatt	tttaagaata	attgtatatt	ttaaaaacag	60
	gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
	agaaccattt	acactatgtt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
	aatagtgtct	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
	aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
	aaagacagct	caaccactg	gaacaaacag	actccaatg	tggttgga	ctgcgggggt	360
	agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaac	418

<210> 457  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 457	tttttttggg	aggggaagaca	tttactgtag	gtataaagg	ttactattat	taacaagtta	60
	tcactagtat	ttacatgttt	ataaaatgga	aataaaaaatg	acatacacgt	ttggtgccaa	120
	aagtggcaca	tccaaactaa	tatcagtata	aaaataaatt	ttcaagctat	gtgtttttta	180
	aataaaggtc	attgaaacag	taagggggaa	aaaatctgca	tctggcatgt	gttgagatgc	240
	aatcatcatc	acagcaaagc	agccctggg				269

<210> 458  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens



```
<400> 458
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60
accctcccg ctgggtagag gccctagggt gggctagggt aggggagatg ggggtgggg 120
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcagctgct gccctccttt 180
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286
```

```
<210> 459
<211> 375
<212> DNA
<213> Homo sapiens
```

```
<400> 459
tctcaggacc caatagattt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ctttttagca attttaatta atttttacta ggacttttgt aacaccacag 180
aaacctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtggg 240
atttaacaaa tactttttatt attttgaagc atttcatcaa ttctcgggtg aagcactaca 300
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375
```

```
<210> 460
<211> 451
<212> DNA
<213> Homo sapiens
```

```
<400> 460
ttttcctgaa taaattttata atcttagtag aggaaaagtt ctgatgtgat tttaaaaaca 60
gaatcccttc tcgccttact tacttggtac ttttaaccatt acaaatttat tcaggaaaac 120
taaaattatt taaagaagag acatctagtt ctagagtaat ctggcacatt catatgtgaa 180
aaaaattaga aatcacttga tacatctaca gtacacaaat agacgtataa acattgtatt 240
ttaataatac tctttgtcac ttcaatttaa atcattccat tatgaaaatt tcttaattga 300
agggagacta tttcttcaaa actctaaatt aaacagagct ttatcaatta agtttacagc 360
aatatagcct ttagaaatac atatttcttc attttataat aatacttccc ctttaaaaat 420
ttgccatggg ttgtcacaga tttaaaatac a 451
```

```
<210> 461
<211> 479
<212> DNA
<213> Homo sapiens
```

```
<400> 461
tttttttgta tgaaaagatt taatgaatta tgagccattg atcattacaa actttaagcc 60
ttaatatttc ttctttccta tgtaaaacca ggtaattaaa acagcctgtc tcagtatgac 120
agaagaccat agtagggata atagtaacgt ctgcttccac atctgcatgc ttcgttaacc 180
aaccaaagaa agtgctccag gtttcccaag tcaacaaagt atactcagtt acactttccc 240
tgatcatact atgaattgaa acagaacact cctttgactt ttaatagcac ttttcatcca 300
cggcacaagc actttcccat tttttctcc tttaccctca atatccttgt gaggtagtga 360
agggaggag caaggatttt ttttttctat tttgcagatg agaaaactca aggtgaattt 420
tacaacagtg gttctcaacc ttggcagcat attgaaatga ccagaaagtt tttaaaaat 479
```

```
<210> 462
<211> 240
<212> DNA
<213> Homo sapiens
```

```
<400> 462
tactgctttc ttgattttat ttcaaaagta cacaagggtca caaaactaga gcaagttggt 60
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180
gtgtcagaat attttcttca gtagtacagg tgtatttatc actaaaattc acaattaggg 240
```

<210> 463  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 463  
taagtgatga aagactgacc agtagaaggt ggtgaagatg aagaatagtg gaactggcaa 60  
gtaagaactg ttcagacaag cattcattgt gtaatatcca taaacaaaac tataatccaa 120  
aggacttcca ttttagtatg ttctgatgat gtactctaga ctgtcacctc ctctggctta 180  
cagaataatc cagaactttc catagacatt aatcttgctt aacaaaggct gtttacctat 240  
tatacacaca cattttttaag ggaaatatat gtatatagct ttatctatac acacacatat 300  
acatacgtgt atatatagat ttatacaaat gtataaataa acataatact tttcaatctt 360  
tccattgaca aggcaagttc acattcagca aagtgccacc acatcccata tacacatctc 420  
tgtacagata tacac 435

<210> 464  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 464  
tttgaagggg gcagagggga ggcacgcgag ccacggccac gctttattgc ttaagacgca 60  
cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120  
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180  
ccccctggga cgagggtcag ggaccccagg actgcacagc tgcagacttg ctgggaacct 240  
ggtacaggtg atacgcccac tctcgctgtg tgtcagagct tctacctctg catccagcca 300  
tgcaccacc atttccccac agggtagagg ggcagccttc cttgatccac agccaacctt 360  
tctcctgctg tctctggctg tcagtga 387

<210> 465  
<211> 443  
<212> DNA  
<213> Homo sapiens

<400> 465  
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat 60  
atatacaact tgaacaaata caattttatac ataaaatata atgaaagcat ggcttttgaa 120  
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180  
ctgaagttaa tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240  
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaaac aaatgtatac 300  
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360  
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga 420  
ctaaaaggaa acaaacaaaa cag 443

<210> 466  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 466  
tttaaatatt aatatttgta gtttaatttt ctgaaccttt ggcttataaa tttttctcaa 60  
cttacattta aaaatgtatc aatgcacctt cttcagtagt accacatgaa aatataaacc 120  
tcgttcttcc atatcttcta cgcaggaaga gtgaatgaat agtaccctaa atatcccgca 180  
aagttacttt gtgtacttga cggaagatta gggaaaaaca atccacttcc atatcttgag 240  
cagtagttaa ctagtcttct acctcatctt cccaaatata gtcgtcaaca tccacagcat 300  
aaaacagccg gttaaaacat ggtgaaccag ggtcattgaa atgtttgtaa gggcgcgact 360  
ctagagagag aacccatgca aatccaacag aaatattgca tacagccagt acatgtcatc 420  
ttgttacatc cgtctaattt ctctatggga gttccacaac atgggcagct ctttgagttc 480  
ttctctagcc actccttact ttccatctct tccagtgcct tctgaatcac t 531

<210> 467  
<211> 416  
<212> DNA





tattttacatg	atacttactg	caaagtaa	acaaaatgaa	ctcccatcat	tttagttcag	240
aacacaggtg	atataatttc	aaaacaaagg	caattttttt	caacaaagaa	cagaagtctc	300
ccaagtacca	attcactatt	ttgcagaaaa	atacaacact	aattataaga	tttccattcc	360
agtttagtca	gtaagatg	ttgtttgttt	gtttgtttgt	tttgttttta	gaaacaggg	420
ctcactcgg	caaacggg	ggagttcagt	ggtggcgatc	agattcattg	gagccttgaa	480
cccctggg	acaaaatttt	tcccactagg	gcccacagag	ctgggg		526

<210> 477  
 <211> 702  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 477	tttttttttt	aaaaagttga	gtattttttat	tgggtcttca	aatctgggtc	ccacagtcct	60
	catttgatgt	cactcttagc	tctgtactga	tctctcctct	gacttttacg	gagggcttgc	120
	anaagtagcc	tattgcagcc	aaagtttcac	tccaaagcta	cctctctaag	gtctaagggt	180
	actatggtaa	agttttatac	aacagttttc	cttaaaaaata	ttccacgatt	tgttactccc	240
	aaacaaaata	agattatgca	ccactcggag	aaattagtca	ttctgaagat	gtctaagaac	300
	tatatcactg	ccaaagaaca	tttctcagtt	catattcttt	ccttcaattt	tcatttgcac	360
	atccacactg	tgggggttcac	aagtcactctg	ttttccatga	tcttatgggc	aagtcaagag	420
	gacttagact	tatacatcat	tttccaacag	ctgggatg	attcacagtt	tggtgcatac	480
	ccatagtgt	gaaaataaga	acctcactcg	gtttaatcga	taattcacat	cgagtctcag	540
	attggcttgg	gcagtcttca	gtactcctca	catgagatac	tgntacaggt	gtcaggttca	600
	ggtcatcgga	ttgagtacca	gggctatcgg	accagagcgt	cagtgaagta	accacatctt	660
	gctcacttcg	acttgcagta	accatagcga	cgggactgtg	tt		702

<210> 478  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 478	gggttcaacag	atacacactg	attatctaac	ttatcatcaa	ttggaagg	tagttcctca	60
	ttaaacatgc	ttttcttate	tcccatgtca	agttctggat	ctgtatatgc	aatgatatac	120
	aactctcctg	accttaagag	gtcatccagg	ttgggatcat	tagtttccaa	attatctaaa	180
	gtatccaatt	caactacctt	gccatcctct	gtatctaaat	ttaagttttc	aagatcttca	240
	tcactctaagt	ctttgacttc	aacccccctc	aggtctttta	catccagttc	cttcacagaa	300
	gggtcatcag	aatcaagttt	ttcctctaga	ccatcagaag	gctgggtgg	tatctgtaaa	360
	ttatcagacg	ttgtttcaga	cggtagagat	gttgacaaag	gagcttctga	aaattcacca	420
	cctagtggat	ggttcagagt	c				441

<210> 479  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 479	tttttttttt	tttttttatg	ctcaaactaa	ggcattttat	tagctggctt	tacaacttaa	60
	ataatatctt	ggctttcaaa	ggaacagctt	ccactaatc	caaattaaac	tttcacaagt	120
	ttacttgttt	ggggagggac	attcttatgg	tcaccacaaa	atacttttat	tataaccttc	180
	cccaaactct	ttcttagcat	taactggaaa	aaaaaaaaaa	aaaaagctta	ggtcaaatat	240
	caactgcctg	aaaaacccaa	ttaagttact	tttccttaaa	acatgtgcag	tataattgaa	300
	tcaaaagaga	aaactgcaaa	tacattgtgc	tttggccaga	agtagagttc	atctcatgat	360
	gattcagtat	cttcagatac	tattttttgac	acttgccata	aatcttagca	aagtaaatac	419

<210> 480  
 <211> 474

```

<212> DNA
<213> Homo sapiens

<400> 480
tttttttttt gatctgcaaa attttatttaa gcaatagctg gacaactgtt acaacttcaa      60
atcatcaaga aaaaaataag gagattaatc cgtctcagta ataaagacag aaaataaactt      120
ggacaaacca catcgttttg aatgcaaacc attaatgcct tctagaatat ctctgcaca      180
atctaataca caaaatacgt aagaagaaag gcaaataagg atgagctcat taaaacgcat      240
ttgggagtcg caacagatct tgcttgaaa gtaaaaccag caggatgctg aattaaaaaa      300
caaacaaacc aacactggag gaactgaggt gcacaagcag tgcacgccac tgccgaggtc      360
tgacatgaa catgctggtg gtctagtttg gtctggggcc tatgcacctg catcgtgcac      420
ttacggttaa aaaaaaaaaa aagggaaaaa gaaatgcc a gtagtaataa actc          474

<210> 481
<211> 450
<212> DNA
<213> Homo sapiens

<400> 481
tttggttttc caagtgttag ccatttataa ataagtacat ttgctttcat acatacagtt      60
ccttgtacag atgacaatct gtatacatgg ggcaggaaaa tgcattcatt tgaacttttc      120
acatctatct cacacagctc acatgtacag acaataaaac tgctcaagca agtacagcaa      180
aggaaaatgt ctttccttat acacaggggt agatgcctct gtggggtgtg gggcatcccc      240
actgcacggc ttcacaactg tgtggtgttc aatatatcag gagagagaaac aaacatgcat      300
tggaataat actgtacaga gaaagtcctt tacatctgag tcatagaaaa cctaaaggaa      360
aactaagtgc attaaagctt tttccagcaa gtgtcttgaa aggacagcaa agaggaggaa      420
gaatcaaat catattagta caaatcactc          450

<210> 482
<211> 135
<212> DNA
<213> Homo sapiens

<400> 482
gatcccaaag atattaaata tatgcaaata ttccaaagtc tgaaaaaatc caacatccaa      60
aaacacttct gacccaagca tttcagataa gggaccagaa ttattagatt aaataaggta      120
tattattaag ttaaa          135

<210> 483
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 483
gatccctcac tttatttata ttccactat aaccagtaag ttcatttcat aggcctatc      60
atgcattaat cattgnatgn nagnagttaa tgaaaacttt tcctgttaca acgcccattg      120
ccggcaatga acgtaccaa accgccaagg aagtcattgt tattgcacaa tacatgagga      180
cctggagctt ttccaaaagc ttaaa          205

<210> 484
<211> 409
<212> DNA
<213> Homo sapiens

<400> 484
aaacaataac agrggtcaac cacagatgtg gacctccagc aataaaagca ggaattcagt      60
gccagatact cagcatatta ggtttcctac gtaagtcaca gggtaatatg ttctaaatat      120
ctctaagtgt atccaaaacc ctaaaagag ctggcacaaa accatcgtga atgactgcct      180
ctcttgatgt aaatttttaa aaatattatt acagtatcat agtccccact aacaacaact      240
ggggtacata taacaatgta ttgtgaaatt aagtgtattt attctcttta ccaatagcaa      300
atgytaccct accttagtaa aaccaagact tgcttcaatc aatbctgttt tgtaaaatag      360

```



tgtgaggagg ggaggcgata aaaagattat aggggtggagg agcagaggct gaggaagaat 360  
tgggacctag ctccggcctgg cgagaagcag cctgggagga agggagaggt cagatgggtc 420  
t 421

<210> 490  
<211> 192  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 490  
acagaaagga tgacttttat ttccatcctg aatgattcac accattattt aaacatctga 60  
aaaatcctga aataatttaa actgaaggca cagaacaaac caaaatattt aactatcaga 120  
actaaaaatc gagaaaatcc aaatagttct atagtaacaa taaattatga acaagtttcc 180  
gtcaacanaa ta 192

<210> 491  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 491  
ttttttaaaa actttttattt tagattcagg attacatgag cagatttggt gtgaattcta 60  
tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
gcatttcctt cttaagatac aaagtctgta ggagtctaatt tcctgataga aaaaaaaaaat 180  
gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
tgggaaatgtc cctatttctc tctgtccctt tcaaaccaat tcaacctaaa ccaaagtgtt 300  
aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
aaattgggga aagggatcct tagggntttt ttcccctatg gcctttcccn ggaaccggga 420  
gggggggggat tat 433

<210> 492  
<211> 318  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 492  
tttttttttt gggttttacta gtttggaagc agttttaatg aagatggaaa tgtttatcaa 60  
ctcaacacag gtaccccca aatacaaatc aaaatatcat cttcagctgc atagcaaata 120  
tgatttaaga atttaacatc attatttgat cacaagcgta aatatgtcac cataaataaa 180  
tgtaaattca ttgtacaaaa attcccaaca actcttaata caaatatggg tacatttgac 240  
agtttctgaa acaggattat ttttaaaact ttttaaaacc taaggcttta tttttttccg 300  
gggntattgg acacacac 318

<210> 493  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 493  
attatanaaa tagctgcaaa attgtcctct tagctgaaaa tcatggatga cctcagggag 60  
ggtacagaga ttagaagaaa ataaagtagg catgccaaac atttcagagc tagagtgatg 120



```

taagatggta atataggcca gatcaggaat tagaaaaaaa ggataaagag caaaacagtg      180
cctcgtggcc agcaacctta tagtcatgta ggactgactc ccctttgtag caaagaaagg      240
tgagactggg tctgcagggt gacacctcca acaggagggc aacctgttcc agctctaaca      300
tttctttcgt tctaattact ttctcttttc cttctgataa ttccaccctt taatgccttc      360
aaaaactagc ttgccctgat ggcaaaaatc ttaatcccta aaatctcttt ccnttctaaa      420
atcttcttcc cacngtttt tagggctgtt cactcaggan caagctgttc taatttaaat      480
gttt                                                                484

```

```

<210> 494
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<400> 494
acattgtaac aggtttatgc attttgaagt gccttctaca catccacca gaggtctctgc      60
tgatttcact tatgccagg ctataaaatg ctttctcttc atccccagt agagcactgg      120
gatcaccact aggcctaggg ggcatatcaa gggtttaata gactggggga atgggcaaca      180
gaactggcta ccttagaggc tctggaatgc cccccacca tccaccacc aatggaagga      240
aagtcaggca tcgctaaaag gagtgggtccc tatctagccc caagtctgga gcagaaaggg      300
caggtccatt ctggcccaag tgacattgtt aagatcctgt cccctcccc aatcactgct      360
gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt      420
ggacttattg ta                                                                432

```

```

<210> 495
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<400> 495
aataggttac ttgcaattgt tattgcaggc aacaacttgt acatgatttt atttccaaat      60
ccacaaaaaa caaattttat acaaatcagc actgtaaaaa tgtcaattac agccccagag      120
gctttgctgg cagaataatt gtctaaattc tagaatatgg gaaacagggt tttttctgga      180
ttcatctttt tttttcattt tttttttttt acaaaaaaaa ttacaagtg aaatgttact      240
acaaaacttt ttataaggaa tttttgcaa acatttacat ttaccatca actatttctg      300
ttttaaaatc attatgtaga tttaatccc tatgctgcac atcaatttat gtgggatgac      360
aacttagtga catgcataaa aaaacaccac aaggcattaa aatggagact taaatacaaa      420
tattgttg                                                                428

```

```

<210> 496
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 496
tctttttttt ttttttttta gaagcagttt attacaaacc tgagataata gaaaataaca      60
cttgcaagta taaaggaagc agccttgac tccacctcca cactccagag tataattaaa      120
agactcctat cagacatttc tatcaccaat aatgccaacc tctgtatata gcagcaagaa      180
cgggcccaaa tcagaagatt catgttgctt gctttctcta taagggaaag tgaagcttcc      240
ggtaagtatc                                                                250

```

```

<210> 497
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 497
aatgcacctt tctcttattt ttttttttaa aataagaact tggcattgaa acatgaaact      60
tgagttttga aaactaccct ccaagatgct gaagtatgtt tactttttct ttgtaaaagg      120
gggcttaacc tatgtttctg aaggctcaag tctgtgcaga taaattatat gacatgtatc      180
tgttttttaa acactctata tgctggtact cacatagaaa tagaagccag aatgagaagc      240
ctcccaaatt atcccatcct gacag                                                                265

```

```

<210> 498
<211> 193
<212> DNA
<213> Homo sapiens

<400> 498
tggttctactt ttaaagatat ttaatgatgt ttttcaaadc agtacaaaaa tttaaataca      60
aaaatgattt gctattgaca agtctcaaag ctgtcatggg aactcaaaca agttaccagt      120
ctgttcaccg ttcattgtat tctataaaat atttgataac agtcacccac tacagacatt      180
cttttcccct gtg                                         193

<210> 499
<211> 319
<212> DNA
<213> Homo sapiens

<400> 499
tcacatcctt gtaaagtgtg actgtgatac tatgaagagg tggaaggctg aagaattcaa      60
aatgttcgcc ccagaaaata ttgtctgctt tggctctgct ggttgtagca gcaaagaggg      120
tatcatcaag gcacagttcg cagaaatatt tcttttttagg ggcaagggtcc ttggcttcaa      180
tgatccataa acgaagaaca ttttcagctc gcttgcaatt gtccttatta ggttgaactg      240
tcttgccaag gttttccatc cacttgcttc tctcagaagc agaattacag ctgaagcatt      300
tacttccact taagtaggt                                     319

<210> 500
<211> 453
<212> DNA
<213> Homo sapiens

<400> 500
gaattttcaa ttttacattt aattataaga ccacaataaa aagttgaaca tgcgcatatc      60
tatgcatttc acagaagatt agtaaaactg atggcaactt cagaattatt tcatgaaggg      120
tacaacagat ctttaccaca attttcccat ggtcttatcc ttcaaaataa aattccacac      180
actatcaaac taaatcaaga ttgtctagtg gataaaatta ccataaatat accgtactct      240
ctctgaaaca gctacaaaca tcttggtttt gcaaaatata caatgtttct caatctttct      300
gtccttatct caatttgcaa aaatattttg aaacaatctc ctttaaagt tattcttggt      360
aatgagggca aatcttttaa aatccacatg ctagatcttg aaaacgcttg agaagaaaat      420
aaactgtgaa aggagtgggt atttaaatac ttc                                         453

<210> 501
<211> 298
<212> DNA
<213> Homo sapiens

<400> 501
tcatactaaa gagaattttc atattttatt ataaaataaa tgagatatat ttccagctga      60
tctcttccaa agttctttat atggttggtt aaaaataaat caaaacataa cagatacatt      120
tgatgggtaa taagcatttt acattctgta ataaatttta gaagatatta ggggcaattc      180
taaaaaaaaa taagtttatc taggattcct tcaaggtttc ctattttgct tctccattt      240
ttaagttaag aacacaacaa aaatgctttg aacaaaagca aagacagagt agtgtagc      298

<210> 502
<211> 303
<212> DNA
<213> Homo sapiens

<400> 502
ttttttttt tttctgttaa ttttttacag ctttatttta gacagatagt ttaagaacca      60
aagacatacc tctgtaatga taaaggaaag aaaacaagct ttccttttaa gaaaccaaag      120
agcacaaaat aagactgttt cattatacat aatcaccaca ggatattagg cactctgaca      180
gggttaggca agattcttgg tgtgaggtga agcacaggca ctttatttgt acagtgtgc      240
tgattctaatt tttgaaggta ggtattataa aagtctttac ttgtcacctt atttctggcc      300
cca                                         303

<210> 503
<211> 320

```

<212>	DNA	
<213>	Homo sapiens	
<400>	503	
atgttgtgaa	aaggaatctg taaaagtcag ttttatcaca aattgtaaat attattgaaa	60
ttgattgcaa	atttagatca catacaaatg agagtctgac attcaactgt ttccctatat	120
tccaaagtaa	acaattcctt tcaacactca agacttaaac aggtattcct agagggttat	180
atgaattgct	atcagaagct gttgggctaac aagccagtaa tttggttctt tcaccagaac	240
acagttccag	ataagcatct ttgcactatt tctcaagtat gaatccccat gtgggggggaa	300
aacggatata	ctttcaatag	320
<210>	504	
<211>	412	
<212>	DNA	
<213>	Homo sapiens	
<400>	504	
ttaaatgtat	aaccttaaat atttatttta gaaaacaaat aaagatccaa atacgtgagt	60
tgatcatctg	ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca	120
gaaagtggga	aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtgga	180
tgacaaaagc	caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag	240
tgatcgagaa	atgtttttaga taaggcacaa aaagatacca agaatgttaa cactaggctg	300
tacatcctaa	aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt	360
agcaciaaaga	aaggactcaa caaacatttg gatccatgaa taaaattatc tt	412
<210>	505	
<211>	351	
<212>	DNA	
<213>	Homo sapiens	
<400>	505	
aagacaaggt	cttactctgt tgcccaggcg ggagcacttt gatttaagtg aaaaaactca	60
atgcatcctg	gaggatatcc tagaacagaa catggaactc ttctgcattc cttttaatag	120
ttgcatagaa	ttccattgtg tatatcgatc gtgatttctt ccaccagatt ttgttgatgg	180
gtattttttt	gggttggtttc tgggtcttttg ttctcatgac tacatcttaa ccagtggttc	240
taagatgtgg	taccagaac aacatcatta ctacctaaaa atctattaga gaatgaaaat	300
tattgggtgg	aagcccagat ctactgaatc agatactctg aagtgaggcc c	351
<210>	506	
<211>	497	
<212>	DNA	
<213>	Homo sapiens	
<400>	506	
ttttttttcag	tatttttctt cactttaatt tttattgctt ctccagttca gataattcag	60
cgttctctct	ttcttcttcc tcaccttggt catggctggc tgttccatca gcagaacttc	120
cagcgattgc	cacattcatt gcataagaca aaggtagtca tgggctcatc agcactgcgt	180
gtctgcacct	ggttataggt gcagttcttc ttcttgcat tgcctgactg gaagaggtca	240
gtggtggtgc	cgccagtctt ggccatctgg tgctcacgga tggcctcctg ggtcatggca	300
ttcttcaact	ccctcagttc atcactggcc atttctctg ccgtcatctt ggctataagc	360
ctgcggagat	ggccccactg agcacgttcc gccgcacgcg gggttcctgg ggtccttgag	420
gttgcttatg	cggctgcgca cgcggttccg gtacttcatg tccgtgctct tgagctcttg	480
gtagatatga	tcttcga	497
<210>	507	
<211>	449	
<212>	DNA	
<213>	Homo sapiens	
<400>	507	
tttttttttt	tttttttgat tattgattha ctgtgtaatc aagagcaacc aaaactactt	60
ctcaattaaa	agtaccaaac aaaacttttg agccttcatg ctacttcaag ttaaaaagaa	120
agcaatgcag	cttgtgggtt tcagaaaact gggccatccg gatgttcatg cagtacaagt	180
ttcaccacca	tactatttcc qaqagtccac atttqtcaaa qtqcaqttaa cccaaaqttg	240

cagcgacagt atatcatgcc agctgaatcc agccacgtat ctgagatagg atcatatttc 300  
 tgcactgtat tcagatagga agaccctgag tgaccaccga cgacataaag gtagttatcg 360  
 attacagcag caccaactcc tgttctaggt tctttcattg gtctacacac agtccactga 420  
 ttttgatgag gatcgtatct ttcaatgct 449

<210> 508  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 508  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactggt ttactaaaat ggtcctgttg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 509  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 509  
 ttttgtctaa agtactttcc tccatccatt actcactcta aatgccatgt gtccttacgt 60  
 attacaaatc catttctcta actactgaat tttccattta actcatggca ttaggatgct 120  
 gaaatgaaaa aagcagtcag ttacctcttg taacaacgga ataatagtat gcaggggcat 180  
 ccttaataca gtcttcttta taagggtttac attcctagtt tgaagtactt tctgtgagaa 240  
 aataaaaagga ttattaagat gagcatactg acaaaccaag gacatcacag aaaaaaaaaa 300  
 gtctgtaaaa atgaatccct taaatcattt aagaccaagg caataaacta caaactgaat 360  
 ttagcaaaaa taaagggttg agggactgaa tggagtatgt tatattacgt cttgtgctta 420  
 acagacaagc acagtctttg ggtatcagta aatttac 457

<210> 510  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 510  
 gcagctggtt taaaagtggg tgagttcttg atttgattct ctgcttggtc actgtagatg 60  
 catagaagag ctactgatct gtgtacattc atccagtatc ttgaaacttt gctgaattat 120  
 ataatcagtt ctagcagttt tctgggggaa cacttagggg ttggaaatta aataacctgc 180  
 tcctgaatga gctatgggtc aaaaacaaaa tcaagatgga aattaaaaaa ttcttgaact 240  
 gaaagacaat aatgacccaa cctatcaaaa cctctgggat acagctaagg tgggtgctaag 300  
 aggatagtct attgccctaa atgcctacat caaaaattct gaaagagcac aaacagacaa 360  
 tctaaggtca caactcaagg aactagggaa c 391

<210> 511  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 511  
 tttttttttt tttttttttt tttgtagtaa aatggccaga tgtttattat tttgttacat 60  
 tatttccatt gcatattcca catctattta ttttactttt tatttattat cattattttt 120  
 caciaaggta caaggaattt cagaacaac attaaaacaa tcattcaaac tgtttcaggc 180  
 acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240  
 tctcaagttt tgtttcagga agcacaatta ttgtagcgtt aagggtggata cctgccaaag 300  
 ctcatctcct agtgctgtcc tcattctcag aaagttcctg agtcaacaga aaggggacgc 360  
 ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

[illegible]

```
<210> 513
<211> 366
<212> DNA
<213> Homo sapiens
```

```
<210> 514
<211> 418
<212> DNA
<213> Homo sapiens
```

```
<210> 515
<211> 195
<212> DNA
<213> Homo sapiens
```

```

<400>      515
gatcagaact gttaccaaaa aacaactgtc agttttattg agatgggaaa aatgtaaacc      60
tattttttatt acttaagact ttatgggaga gattagacac tggagggtttt taacagaacg      120
tgtattttatt aatgttcaaa acactggaat tacaaatgag aagagtctac aataaattaa      180
qattttttqaa tttnt                                     195

```

```
<210> 516
<211> 125
<212> DNA
<213> Homo sapiens
```

$\langle 210 \rangle$	517
$\langle 211 \rangle$	353

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 517  
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60  
aaatacaata attgcaaagg aagtgggaacg tgttcaaaca gaaatgggtga caatgagtta 120  
gaactgcagt tntttcaagg tactacacta ttatttataaa aaaaaatcac aaanagaaaa 180  
atgtttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240  
gggttataaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300  
accgtaatct gggcaacatc cggggggctta ccttcagctc tcggcactgt gcg 353

<210> 518  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 518  
ttaggaagaa ccaaaacttt attattaatg ttctgtttat ttacttattt tttataatat 60  
tttataaata aactttattc atataaaaca ggccaaacat ctgactttca aaaatggcta 120  
ctgtttataaa atcagaaaca tagagtgttg ggaatactga aattttctaaa cttttatgaa 180  
taacacaatt gcttaagtta tatccacaaa gaacagaaaa gaggcaagct tgaaaatgtg 240  
aggatagaaa ggtatcacag tgatgtgttt ttacgaaaca gtaccttccc 290

<210> 519  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 519  
aaaatcaaaa taaaagatat tttttgagct attttcatac aaactggttg ttccttatat 60  
cctcccttct ataataaagg gcatatttta ctgcaaagaa aattttactt tatatatatc 120  
actagccata aatttttgaa tgtcattaat tacatgttgt ctagtaccat taaccaaata 180  
gcgtaactat tttatgtcca catttcactt ctgtatttac aaacatatca gtaaagagtt 240  
aacaatgaga tgcgatcaaa catccatatt atctgttttg tagacagcaa tgtagatgat 300  
tttgtaatca cttttcatcg gagtgacctt atataaaaaa taagtcaata atttagaggt 360  
tctaagtctc caaaggggga ttttcctaat ggtaaataata ggaaatgggg tataggataa 420  
tgggganttt tagggaaccc cgggccttgg gnt 453

<210> 520  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 520  
tttctgtttt tttttatgcc tttattttatt tttaccaata gttgatatac ctatataata 60  
ttcacgtgcc acaaaaaatat gagaagatta catgtgaata ttgatctcat gggtgataaa 120  
gtatacaaaa tgttgattaa ctgaagcaga aatccattga gaaatgctta taaccatcag 180  
gtattacatt tacagatgtt gccaaagtcaa agttgaacat ccacagtggg acactcatca 240  
taaactctgt ttaatcttta aaaggagaca gagaaatagc caagtacgta gaataaaatc 300  
tgcctaataca ttctcctacg attcttctat gcttgagttc gttttatagg agtcttatta 360  
catgcacgtt tacattcctt cccgatatac atattctcaa ggaaacgtgg catcctgtag 420  
ccctgctta gaat 434

<210> 521  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 521  
aatcttaacct atagacttgc atgattcaag ataaaaatgct ttttaaagga gaaaagggtac 60  
agaaaataat tttaaattct gccggaaaga ctggtataat gttctaaagt cactcactgg 120  
ccataaccta tctttgctcc ttaattttctc attaatccta acatcacctc tagacacagc 180  
ctggtatctc caacgacact cctcttaa atagccttgcc tagacctgct tctcagcatc 240  
aactgttctt tctacctacn atgcncctcct ctcccatcca aaggatctct cttttaagac 300  
ctaaattgag ttcttccagt aaactttcca caacagtcac agccca 346

<210> 522  
<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 522  
tgtagagaca ggcgcttact atgttgccca ggctcggttt taaactccaa gcctcaagtg 60  
atcctcctgc cttggattcc aaagtgtctg gattatagtt gtgagccact gcgccaaca 120  
ttcccatgac tttttgtga aggaggcatt caccaagctt ttcctaatct ttaccataag 180  
ccaggctctg cggtaaacac cccacaataa atgtttatca gaggacttag cagggaagta 240  
cattaaatgt taacgcctta atctgatact gaaaataaaa gataatttca acttggtttt 300  
tnaa 304

<210> 523  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 523  
ttgacaattt taaattataa tttttattcc tcagtcacca ctgctaattc ttcaatttat 60  
ttcaaagtaa cttctgggtt ttattacatt tggaagataa agcaacttat cacatgtagg 120  
ttacaactta aaattcgtgn attgang 147

<210> 524  
<211> 307  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 524  
gattttttata ttttattatg tgtttccttt tactgaagat ctttgtatct tcataaggct 60  
ttgaataaga gagtttggtg aggtttatgg gtacagatca atataataat aacgggttaac 120  
aatttttttt ttttgagata ggggtctctc ctgtagccca ggttgaggcg cagtggcgat 180  
actacaagcc cactgcagcc ttggtctccc gggttcaagt gattctcca cctcagcctc 240  
cccgagtcac gggnaaaaaa agggccctng ccaaaaggcc tgggaaaaat ttttgggnaa 300  
tcctttt 307

<210> 525  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c





atttcctcac atattagaca tctgtctggg gtcacagctt ctttgttcca tttgtctttt 240  
 tttgttgttt tttaataaga cattgcaaac agtagctatt tcttaaagtg acataatttt 300  
 cgcttttgca ttctg 315

<210> 530  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<400> 530  
 tttttttttt tttttttaa gcaacataca aacttttattg aacaaaagta aactgtttca 60  
 gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccac 120  
 ttacagtaac ctacttgacg ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180  
 catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt 240  
 atatacacat atacattaaa ttgaaaaaag atttgacgat cccagataa acttcatttt 300  
 tgttgatctt ttggaagagg tctgtctaaag agaagaatat gtggttctgg ctcatgaatc 360  
 atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420  
 catcagatga gttttaggta cttgtttgga aagtctctg gggtaacata acatgccggt 480  
 acta 484

<210> 531  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 531  
 tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60  
 tggacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120  
 cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180  
 ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240  
 tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

<210> 532  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 532  
 ttttttttga gacgganctt ggctctgtcg cccaggctgg agtgacgtgg cagagtcttg 60  
 gctcactgca agctccacct cccagggttca cgccattctc ctgcctcagc ctcccaagta 120  
 gctaggacta caggtacccg ccaccacccc cggctaattt ttttttgtat ttttagtaga 180  
 gatgggggtt caccatgtta gccaggatgg tctcgatctt ctgaccttgg gatctggcca 240  
 cctcagcctc ccaaaatgct gggattacag gtgtgagcca ccacacccat cctcgcccag 300  
 ttattaatac cttccctctt caagtccctaa ccttgacggc taattcctcc ctggaagaag 360  
 aggattccaa tgctcctgag cataaaaaat tcaggctcctt gaatgacgtg gaccattctt 420  
 ccagctct 428

<210> 533  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 533  
 tttttttttag ctttcagagt ggttttatca ttaaattaat atctaatac ataattcaaa 60  
 gatataaaaa ttggaatgta gaagggtggg caagcccctc cctcaggact ggaggcggca 120  
 caggacaga gccgactga agcgggtgag cgtgcgagaa acatacagcc gagcagntgc 180  
 cccgaacact cagtccaggg ttggaagcat gccccggcac cccccaaccc ccgagccac 240

tgcgcaccca	caggaagagt	gcaggctttt	cacatttcag	aggggtgggg	gggggtgggg	300
ggggcggggt	gggcccctgg	cttttggggc	tgccctccag	cagccctgga	aggacacagg	360
cgggtgatgg	gggagaaagg	ccccctctcc	caggggaggg	ctccttggtcc	tgagcttggg	420
ctnagggtctc	tggtccagta	acagatgctg	gtttttgttt	tgtttttttt	tttaagacaa	480
ggntnctgct	cgtgcc					496

<210> 534  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 534						
aagaaagaaa	ataggaaaag	gtgtcaagca	tagaggaaca	ctcaaaagag	acaaaacatt	60
gacctcagca	ggccaagaac	tggtgaaaaa	taataagatg	agacaatcct	ggggctgtgt	120
gggcagtcgt	gttccctgag	gccacatttg	gaacagtgc	tctttatgcc	agaaatttga	180
gcccagagatt	actacattgt	gatcttatga	tcaaacctaa	caagacaaag	acacagccaa	240
gtgggtactgc	ttttaaatatc	tcagagttag	ctgtagggat	ccaattattt	tcagtttgga	300
tacatttccc	ctttatcaat	atctccatgt	gcataaataa	gatgaaagtg	gagttccaga	360
atcaaaaaga	gatgggaact	cacatcactg	gggcagactt	gttccatctg	gaagtgtacg	420
ggccagtctc	tcccacgtgg	atttcctgat	gtctggcccc	aaatcttcct	atcgaaggcg	480
acatcctttt	tn					492

<210> 535  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 535						
ttttctgtgt	gttaaaataa	tgtaattctc	cctgtacatt	tctgtccaca	tgagccaata	60
aacatcaaga	atacacactt	tacagtattt	acctgtttta	agacattcaa	gtcaattcag	120
atggcaaaag	tagaattcaa	tcactagtga	aatgttttaa	aaatatatat	taaacaaaaa	180
aagtgttttt	acaagataaa	aaataatctt	ccacaatgta	attaattgca	gatcactgaa	240
attttaactc	tttagatgat	ttcagttcag	ttttttgggt	tcaaaatcta	gagacagtca	300
aacaaaagca	caggcagaat	ctctatctgt	ttttacgttt	ctctttcttg	ctttgactac	360
ttgttgcgct	gtttaaagac	gatgatgaag	gtgctcttgc	atgacctgtg	gccttttagat	420
gggtcaaaaa	gtttattccg	agatggaaat	tcactatggg	caggttgtac	agctggataa	480
gaacactca						489

<210> 536  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 536						
catttttctt	tttagagaca	gctctgaaca	cagaatgatt	tcataatcag	ggacattttt	60
gagacaggag	acttcatggt	tccaggcttt	gagtgagggt	gagaactcct	aaaggaccca	120
cccaggagat	gacactgcct	gaacagataa	ctgtccctgt	cgccctccac	tccactctac	180
agcgacaccc	cttccacagc	agtcagctgt	tttccaggta	caagagacac	ctcaccaccc	240
tggccagttt	acagaccagc	tttcgagccc	agaaatttcc	ctgtaggaaa	tttgtaagga	300
ccactggctc	atggggagga	aataaatcaa	taaaaggaaa	aaaaaatgaa	taatactgtt	360
tttttaaga	gagaatgcaa	tcactctttt	cttaagaaga	cagaaagcca	aggcattata	420
tttaataaaa	aatttaataa	attgaatgat	tttaaaaga			459

<210> 537  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 537  
 tttttttttt ttttcccga gtcacaaacc attttattac ccacattgtg ctgtgacagg 60  
 gaggggtctc caatgaagag gacctagcac tggaagggtga tagccccaga agagaagagg 120  
 cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaatgg 180  
 gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc 240  
 tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300  
 gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360  
 atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

<210> 538  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 538  
 tttttttttt tttttttttt tttttttttt tgctggagtt agtttattaa agatgcctac 60  
 ggtgaactct ctggcgcagg ttaaagtcag ttttgaaaac ctggaaacat caaatggagg 120  
 cgggaaatag gctggggcga cgttgagggg ctgaacacag cagtgcacgt gggtcagcag 180  
 gtcgcctgcc cagcagctcc tccaggagag ggctcgggag cccctggcag ccgccatacc 240  
 cccaggacct ggctcgtgag tgcgtctggg tcaggaagag acctctctgt gcgtctcagg 300  
 ctgagatgca gatttctgtt ttctaaaact ggaagcgacc ttgacgtgta ttgaagggtg 360  
 gtgtgccaaa tgcttccgac ggaggtgctg gccttggttg gtttctctct gcccggtgtg 420  
 gtcacaaagt c 431

<210> 539  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 539  
 gcaataaata aaacttttat tcaaacaagt aactgcagta cagggcacaa ttcagatttt 60  
 ttaaaaaaaa ggaaaggaaa caggaaaaaa atatgttcag cactttacat cttcatacaa 120  
 gtgttgctgt tttgtgtcta cattcatcca ttgagcatgg aatcccttgg atttgaaatc 180  
 tttagcgg 188

<210> 540  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 540  
 taacagtagg aaaaaccaca ctattaaagt ataaaatttt gtcaaggctc tattttctaa 60  
 gcctatataa aggccaggta gtaaataatt tgagctttgc ggcccatgtg atctctacta 120  
 cgagtactca accctgctcc agtaatatga aagtagtcac agacaactgg aaatgaatgg 180  
 atatggctgt atttcaataa aatattactt acaaaaatag caggaccaac acttgctgac 240  
 ccctcacttt cataggtttt ataaccttat taacttttaa aaggtagttc tacaacctct 300  
 caaatgagaa tgaaaatgaa gacaaagcta ctttagtggt ttaaag 346

<210> 541  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 541  
 ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60  
 actctccatc atctttggct tggagtacaa ctccgtcctt ccattctaate tgctgtctc 120  
 caatcgttct cccctttgat gtgcagggca gccactgatc tctctaactt ttacagaaga 180  
 atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc aagtcaaact 240  
 ctgcaatgtg gcctacacat ctctctagct tcacctctg ctcaatatcc tacagcacag 300  
 tgaagttctt ggtggtcctc aaaagggcc tcaaacttca aacattccct tcaacctaaa 360  
 atcctcaatg gacattactg agtc 384

<210> 542

```

<211> 183
<212> DNA
<213> Homo sapiens

<400> 542
ttttattaaa gcaatgactt attagagact actggtatat gaagctgcaa tacacatggg      60
gatcaattcc tccaatttca tgtttcctta ctatgtatgt atctcttttt gttttttcat      120
tctggtaacc agagtacata tgacaggctg cattatttca aatacctaac actgaaagtt      180
act                                                                    183

<210> 543
<211> 329
<212> DNA
<213> Homo sapiens

<400> 543
tttttttttg caacaggatc cggttttattc tgccttgggg gtgggtcctg agagtgggtg      60
gtgccacctg ttccggggcg gaaagagggc ccgaggaggt taaggcaatg ggggagaagc      120
aggggggctga gcggcacatg cgggtgaacca ggccgaggcc ggaggagctg tggtaggcca      180
gggaggggtg aaggcaccgg actgggaccg gccagggcta cagggcgagg accaggcaca      240
cgggcacccc ggaggcgggc acagggtcac gtgacacaga acatgaaaca caggcacagg      300
gtcataggcc agatgcacat ccagccatg                                     329

<210> 544
<211> 442
<212> DNA
<213> Homo sapiens

<400> 544
tttttttttt tttttttttt tttttttttt taaattgaaa ggaaactttt attgagtcac      60
gttttcaaag caatctagtt tttaaaaaag ttgaagacaa gacagaaaaa agaacatgac      120
acctaagaga atcagacagg acagacagac gggagcaggg gggcggggac agcggctccg      180
tgagagtcag atcttctcca tcttgagatg gaggtcgtcg cagatcctgg tcagctcctc      240
gttctcttta gtcttctgct ccactgtctt ctccagcgac tggatgcgca tctgctcctt      300
cctcaggctg gcctggaggg caacgcttcc gcctgggect tgctccggac ctgggcgatc      360
tcctcgtttg ccagctgcag cttctcctcc gcgtgggect tcagggcttg gtacctctgg      420
ccctcctggg tgatccttgc ca                                     442

<210> 545
<211> 526
<212> DNA
<213> Homo sapiens

<400> 545
tttaagtga aaactttcac cttttcattt aaaaggaagc actttgtggc ttctcttttg      60
catatccgaa tcaccagcat cactactcct gctctctggg gccactgtta agcaaagtga      120
ggactgcttg ggcacaggca ctgtgatgct gggatagttg atctgatcac caagacggct      180
actaagtcac tagcagggtg ggtggcgat acagcgtgga tgtgctggac caagggatga      240
ctcacatccc cggccggctg gagccgacag cgagagattt catcacgcta ctcagaaggg      300
cacaccattt gagacttaaa attctttatt tctggaattt tccatttaat atttttgaac      360
tgcagttgac tgcaggtaac aaactgtgga aagcgaagcc atagatacga gcgggctact      420
gcgttcaaaa ggctcttcaa ctgttggtgga tcctctgatg ttctcggaga tggtttaggt      480
ggttacatgc cttcccgcac tccttacatt cgtaggattt cggccc                                     526

<210> 546
<211> 375
<212> DNA
<213> Homo sapiens

<400> 546
tttttttttt tttttttttt tttttttttt ttttttccac agagtgaagt ttattcccaa      60
caaagtcccc ctccccctc cccagcccgg gacagggacg gacaggctgg gctgaagatg      120
gggttccagt ggctgagggg cctctgagaa acaaggaagg gccctgggac cccaggccaa      180
gccatgtccg gctccccag cctggctgag tccacggcgc ctccctgccc agccctcggg      240

```

aaaggggaga gggcgctggc tcctgggtag ttccaaagtg gagtgtgaaa atagagagat 300  
 atatatatattt atatgcagtg ggcagtccag cgtggcactc acacctctgt ctggaagtca 360  
 ccatccggtg gttct 375

<210> 547  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 547  
 agaacaaaat ggttttaatc aattgctgca ccctcactct cctgggagcg gcaacgaaaa 60  
 aggctcggct cctgccccca gaggacagta aggccttatgt gtctctccac actgcagggc 120  
 ccaggctggc gaggcagggg gtgggaagca ggacaggggg cagggagggg ggggtggagg 180  
 cagggaggaa atggcaggtg gctggaacac aagaaagcaa aggggaccca gctggtcctt 240  
 gggccccagg gcacgcccct aatactcctg ctctcccttc accctggcta gagaaaggtc 300  
 acggagaaga gacagggggag caggtcccag cagcaggaga agcagcagca gctgt 355

<210> 548  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 548  
 ttaagaacaa agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg 60  
 tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct 120  
 cctgcctggc acgttcgttc gtctcccgta tcgccgtaag accctgagac cccgagcctc 180  
 tgcaggagag acgcacaaag aagcctcctc cctgtggcct ggctc 225

<210> 549  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 549  
 gaatgtcatt ttattccaat gataagatac agattacaaa acttctagta taattacaca 60  
 taattacctt ttgttgtttt cctacaagaa atgcacaggt attttgaggt cttttgtatt 120  
 gcattatttg taaaacattg catagtatta gtttgtggct ctggtacaat gggtaatgac 180  
 aggaatgcat acagatgtct ctgctatgat aaaatgtgct cttgttgggt tacattaacc 240  
 ttccttcaaa agggattttct cagttg 266

<210> 550  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 550  
 ttttaacag aaatatctgc gcacattgac aaatgtccac cggatgggaa gaagaatgtg 60  
 ggggtgtaaaa ttcccatttt tgagaccac ttgcttagaa tgtattaaag acctataatt 120  
 gaaaatacct tggcaaaatc tcccataatt gtctctcaaa ataacagtat atacagtgtg 180  
 acatacaca catcctgtta tactaatgaa aaaatctaag aaaaactcta taggatgata 240  
 tttagatatt acagtcacta tattaactat taggataatg tgccactaat tcccaatcgt 300  
 cactgctttc atgtagtgtc tgctccatat tg 332

<210> 551  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 551  
 ttttaatatc tgctactgac tttggctttc tgaagtttgc tatctggctt accagtagaa 60  
 acccttagtc aatttttgaa ttgtacaatt tcaattgtac aattcttcgt tacactctca 120  
 aatccacaag tcatttgtgc tgaagtagaa ttggaaaaat gagaagcata tttctgcatc 180  
 tgagttctgc tctacctgca actccctaca tgacctaatg aaccaatttt ctcatctatg 240  
 aaacaagaca aacctgctgc aagggttttc tgttaccctt atgggagtggt tgggtaatgc 300  
 tgacgccta tctgacactc tcatcactga aggtgtgtca tctgcatcct tctccagcct 360

tctctagctt ggccattca gatgtcaatc tggtaacaaga tctggctctt ctagttttct 420  
taagaattga tgc 433

<210> 552  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 552  
gatcctgggc tcataggcag tccctttcac ttccttgtct tgctccctgc tatgctggag 60  
atgaatgtga ctaaaagggc catcttgctg gcttaatgtg tggctggaga gaccagcctg 120  
gagacaatgt ggcaaaatgg ggcgcttcat ccagtctgtc taagccctgt cgacttgggg 180  
aggtgatttc tttcctgggt ctatatgtna agcaaaataa atgttttaaa attaaaagca 240  
nnaaagcaga atgtgagt 258

<210> 553  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 553  
aattnnaaan acatggctgc atttattgtt cccagcccg cgagaagggt ttcccagaaa 60  
ggttccttgg gtcacctgcc caccagcct tggctctgggc tgccatgtcc ccacgggcag 120  
gagagaggca caagtcacag tcaggcaagg gagcctcagc ttcctgggcg gtggctnttg 180  
gggtccctcc agtnttcacc tgggacctc ggccagggtg ggacanattc cagggaggcg 240  
agggttgcag gtccagcggg ggggtgcagg ggcaacagggt tcggcggggt ttgcagggtc 300  
caaaaggagn tttcggggtg gg 322

<210> 554  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 554  
tttttttttt ttggtatcag tctctttatt ggatgtgagg gccaaaaggg actgtaactc 60  
ctgtctcagg aatggggata gatgggaggt tcttgaagcc ccaggcatan tggnnacctc 120  
tggctacagc ttgtctctg agacctggg cttcactcgg atcacgccct cctggnanac 180  
ggtcacagct aggactccat cctgacgcca cagccgccc tggaccagcc cccgagagcc 240  
accggcccag gggctctcgc attcatagag catccagtgg tcagctcgga agggggcgtg 300  
gaaccacatg gaaatgggtc agtgagacca tgaagtgcac cttgtctgnc cactgggtgag 360  
gcagcagtgc agtgcccaag aaggcatagt tcggagatat aggcggccac gagnacagttg 420  
catttttcat gttcgncttc gnttgcaaca ggtccccttc agcctggggt cctgggggtt 480  
ncagttcagg accatttttag ccn 503

<210> 555  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 555  
ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gagggggagc 60  
cccaggctgg gataaatcat ggctaccct cccaacaga acagggggag gaggtggccc 120

```
ctacacccat tatggtegat tggggccccc ttgctcactc tgctgcagca tcctagaggg 180
agggcccccac cttccctggg actggggtag tgggtcaccg agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcccttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
```

```
<210> 556
<211> 420
<212> DNA
<213> Homo sapiens
```

```
<400> 556
acaaaataac acaatttatt actatatttga aacaaatcac aaaataacat tcagaaactc 60
aacattttcta aataacttaa ttcacaataa gtttagtcat aaagtcatgc taaaaaactc 120
ctgtgtataa aagattatta ccaaggtatt catagatggt aaaatgttct tcagaatgga 180
gttggttcta gaagccaaag attctggaat gatgcttgta atcatgactg ccagcctggg 240
agaggagctg gctatgcgca tgtgctctta gcttccaact caccagtctt ttgatgggag 300
tgatccctcc aggcagtagc acctcagagg caggtacctt actgattcac agaggcaaag 360
agcctcccac ccatataatg ttagacaact ctacattcat ttaaaatcta gaggtgggaa 420
```

```
<210> 557
<211> 560
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 557
agttttcaatt tttattatga atgtccaaag tgacagcata ctgtgaaaat gctaagttct 60
cattgattaa atttcaagag accacagact acagcattcc aagcacttta atttttgaca 120
gagccaaaaa caaataaaaag aatgataaaa atattctttt ggggtgtaaag agtattcata 180
tttgagtttt tgtatttttt tcttccctgc aggtattgtg aacactgata atttccaaaa 240
cataaattct ggtctggata cttgcagcaa atttttataa tctctacctg gataagaagc 300
taataagaaa tgtacttata aagtatgttt accgatacag tgtgatatgt ttgtttatct 360
tcatttcccc tatctatccc atgaggettcc ttgtctacca cccgggtacc tggctggttg 420
ggtaataaca ggacagggag gctgaagtga aacactccga agactgggtac agaatccngg 480
gattttccgg aaagcnggca tttacnccct ttttttttaa tggaaagcct taagaccttc 540
agtggnttgg ggaacggtcc 560
```

```
<210> 558
<211> 435
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 558
ttttacatga gatattcaac attttattat aaaacaggct ttctgttaga tgattttgct 60
caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgttttagtag 120
gttaggggta ttaagtgcac tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggttaacc ccatcgtaag tggaggaaca tctagtgcct ggacacagag ccggttctca 240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctcctct 300
cactttctaa gattattttt gcttgctggg gggtttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccagggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435
```

```
<210> 559
<211> 374
```

```

<212> DNA
<213> Homo sapiens
<400> 559
catgctggag tgcagtgggtg tgatctcggc tcaactgcaac ctctaactcc tgggctcaag      60
tgatctttcc aaccacagcc tctcaaagta gttggaacca tagacatgca acaccatgat      120
tggctaattt ttttgtagac acggtagttt ttgtagacac agggtttcac catggtgccc      180
aggctgggtc caaactcctg ggacttaagc agatccattc gccttggact cccaaagtgc      240
cgggactaca ggtgtgagct accacgcca gacgcatttt ctaaattctt gtgtatctat      300
aataattcaa cttaattaaa actgttttgc actatggata cacaaaaggg agggcccaac      360
aggtggattt ccct                                         374

```

```

<210> 560
<211> 337
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 560
tacanaaata tcctggcagg atctgaaact gtttctccaa atgtctaaaa tatatctgtc      60
acacaaaatg acccccaaag agaatcctgg gaagaaaaca atttctcctc ctccatcatc      120
caattaagta tttattaaac agtcactata cttaaaatac ctttccaggg taccacctac      180
taaggttaac agactactgt tcaaacaccg caaaggaaag gcatggaact aggataggaa      240
acaaggaaaa accttcaatt tttttttgtt ggcttttttg tttgttttta catgagggaa      300
aagggaaacc aaactgaggg gggnaaaaaa ataaggg                                         337

```

```

<210> 561
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 561
ccatctcagt ctccctgccc tgctcattcc tggggctcca ggccaatgct cagcagcaga      60
gagtttataa ataaataaat tacaaaagcg ggcagggagt ggcttgcca gccctcccgg      120
gmntantggc tcagtgtcca gtgagtgaca gctgcaggat ccgctgtaag tcctcctcct      180
cctgctgccc gcgccgntcc cgtccctcct gctcccgtga aggacaactc caggggccag      240
ggcgagtggt cttctttcaa agctgggggt ggaccgggtg gctggggggg gtctnngggg      300
agggggatcc tnggggcccc tggggatcct tgtggggaca agcttncagg ctttttctgg      360
ggnaagggcc ccntttccag cttnaaagct ntttctccta ataaaccgtg ggccttt      417

```

```

<210> 562
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 562
tttttttttt tttttttttt ttttctgaga tggttctcgc tacgttgccct aggctgtagc      60
gcagaagcta tacacaggca tganggcagc acactacagt ctccaattcc tgggctcaag      120
tggtccttct gttcacctc ctgagtagct gggactacag ggacgtgcca cccacctgg      180
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctacttttt      240
tcttgtaaaa ttgtataaca ttattaggca aaactgggag antacaantt ttaaa                                         295

```

```

<210> 563
<211> 299
<212> DNA
<213> Homo sapiens

```



```
<400> 563
tttaccagtt ctcgatttta tttaggactc aaattaacac caaccaaaca tatcactaac 60
tcacttattt tcacattttc aaagtgggat tgtgctgcaa atccatacat ttgtgctcac 120
tacacatttg gggatttaca ttcattgaga ggctccaaag catcagtcca ataaacattt 180
ttccagcccc ataaccatcc ttggtaagaa ctaagaggta aaatcattca cacaactatt 240
ttttcccttc tacccttagc tcataagcat ttgaccaa at gccaatgttt ttgccagtt 299
```

```
<210> 564
<211> 404
<212> DNA
<213> Homo sapiens
```

```
<400> 564
tttctaattg agcaacttta ttcacataat ttctacacca agaactcgag gttatctctg 60
atggaaccaa tttcactaat atttacttta agggcagaga agtcaaccaa gtccctcacag 120
tctcaagaat caaaaacaaa acaaaaatac aaacagagag caagtgggaa gataaataac 180
actccgaaat aacctagcta cacactttta gtttccaatt tttctagcat gaaatcactt 240
ttctcttcca tctgtgaaga cgtgttctct cctctctctt ctgagttggg ctgtgaagag 300
ctgccctggg tctcccggtt ctgacgggtg ttgtccaccc catctgaggg caccagggg 360
aattgccttg ggggtccgga gccctggggg tttctggata gcct 404
```

```
<210> 565
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc.feature
<223> n=a,t,g or c
```

```
<400> 565
gggagaaata accagctatt gttccgcatt caaacagaaa ttcaggtgct tgcactcttc 60
acgtattgtt caaaaatcac aagcatctgt ggaaaaaac taaggtatta cagacactac 120
acggaggtca tgttcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180
atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240
ttcaciaaca agctgggtcg ggttgggant tctttttggg aacagtaggt cccgcgctaa 300
acactgggtt cttgcctccc cacccttntt ctctaaaatn aacca 346
```

```
<210> 566
<211> 551
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc.feature
<223> n=a,t,g or c
```

```
<400> 566
tggggcccaa tggcgatgtt aataaatata taaaatttta aagatctgga tttccaaggc 60
acaagagttt aacacaggcc aggtctggtt tcacaggaat gactccacgt gtgccccagc 120
atcccaggga ggggagggca acagggggag ggcggggagc cccanggacc tccactctcc 180
aaaggggttg caggccaggg ccnactactc atgttctctc aggtctggctc agaacagccc 240
ctttgccttg gggaaggaag aagtgagaag cactctatc acctggcagg agtttaggag 300
acatcctcca agaccccgga ggtgtccttg gacccctgc cacttctga gagccagagg 360
atcttaagac tnttacctgt ccctttggag gtagcatggc cggcagctga gcacagctca 420
ggccctttac agcaccgttg ggtgaagtgt gtcttcccca ctccagcacc aagccaaggg 480
nttggcacc tgccctgggg naatttggcc tnggtggccc ttgtcatttc caaggccaag 540
ctatgaatgg a 551
```

```
<210> 567
<211> 1201
<212> DNA
<213> Homo sapiens
```

```

<400> 567
agtcccagct cagagccgca acctgcacag ccatgcccgg gcaagaactc aggacgctga      60
atggctctca gatgctcctg gtgttgctgg tgctctcgtg gctgccgcat gggggcgccc      120
tgtctctggc cgaggcgagc cgcgcaagtt tcccgggacc ctgagagttg cacaccgaag      180
actccagatt ccgagagttg cggaaacgct acgaggacct gctaaccagg ctgcggggcca      240
accagagctg ggaagattcg aacaccgacc tcgtcccggc ccctgcagtc cggatactca      300
cgccagaagt gcggctggga tccggcgggc acctgcacct gcgtatctct cgggccgccc      360
ttcccagagg gctcccagag gcctcccgcc ttcaccgggc tctgttccgg ctgtccccga      420
cggcgtcaag gtcgtgggac gtgacacgac ctctgcggcg tcagctcagc cttgcaagac      480
cccaggcgcc cgcgctgcac ctgcgactgt cgccgcggcc gtcgcagtcg gaccaactgc      540
tggcagaatc ttcgtccgca cggccccagc tggagttgca cttgcggccg caagccgcca      600
ggggggcgcc cagagcgctg gcgcgcaacg gggaccactg tccgctcggg cccgggctgt      660
gctgccgtct gcacacggtc cgcgcgtcgc tgggaagacct gggctggggc gattgggtgc      720
tgtgccacag ggaggtgcaa gtgacctgtg gcatcggcgc gtgcccagac cagttccggg      780
cggcaaacat gcacgcgcag atcaagacga gcctgcaccg cctgaagccc gacacggtgc      840
cagcgccctg ctgctgtccc gccagctaca atcccatggt gctcattcaa aagaccgaca      900
ccgggggtgtc gctccagacc tatgatgact tgtagccaa agactgccac tgcataatgag      960
cagtcctggt ccttccactg tgcacctgcg cgggggaggc gacctcagtt gtccctgcct      1020
gtggaatggg ctcaaggttc ctgagacacc cgattcctgc ccaaacagct gtatttatat      1080
aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc      1140
tgatggaact gtgtatttat ttaaaactct ggtgataaaa ataaagctgt ctgaactgtt      1200
c                                                                1201

```

```

<210> 568
<211> 3323
<212> DNA
<213> Homo sapiens

```

```

<400> 568
tagtgggtggg taagaaaatt ggaagtattc cctcctcatt tgggtgggttg gtggctggga      60
atatctgttc ccttggaat gtttgatgct actctgaaag atcgagaact gagctttcag      120
tcggctccaa ggtactacca tgtttctgca ttggctagtg ggaatgggat atgtcttcta      180
ctttgcctcc ttcattctac tactgagaga ggtacttcga cctgggtgtcc tgtgggtttct      240
aaggaatttg aatgatccag atttcaatcc agtacaggaa atgatccatt tgccaatata      300
taggcatctc cgaagattta ttttgtcagt gattgtcttt ggctccattg tccctctgat      360
gctttggctt cctatacgta taattaagag tgtgctgcct aattttcttc catacaatgt      420
catgctctac agtgatgctc cagtgaagtga actgtccctc gagctgcttc tgcttcaggt      480
tgtcttgcca gcattactcg aacaggggaca cacgaagcag tggctgaagg ggctgggtgcg      540
agcgtggact gtgaccgccg gatacttgct ggatcttcat tcttatttat tgggagacca      600
ggaagaaaat gaaaacagtg caaatcaaca agttaacaat aatcagcatg ctcgaaataa      660
caacgctatt cctgtgggtg gagaaggcct tcatgcagcc caccaagcca tactccagca      720
gggagggcct gttgggttttc agctttaccg ccgaccttta aattttccac tcaggatatt      780
tctgttgatt gtcttcatgt gtataacatt actgattgcc agcctcatct gccttacttt      840
accagtattt gctggccggt ggttaatgtc gttttggacg gggactgcca aaatccatga      900
gctctacaca gctgcttggt gtctctatgt ttgctggcta accataaggg ctgtgacggt      960
gatgggtggca tggatgcctc agggacgcag agtgatcttc cagaagggtta aagagtggtc      1020
tctcatgatc atgaagactt tgatagttgc ggtgctgttg gctggagttg tccctctcct      1080
tctggggctc ctgtttgagc tggtcattgt ggctcccctg agggttccct tggatcagac      1140
tccctctttt tatccatggc aggactgggc acttgagtc ctgcatgcca aaatcattgc      1200
agctataaca ttgatgggtc ctcagtggtg gttgaaaact gtaattgaac aggtttacgc      1260
aatggcatc cggaacattg accttacta tattgttcgt aaactggcag ctcccgtgat      1320
ctctgtgctg ttgctttccc tgtgtgtacc ttatgtcata gcttctgggt ttgttctctt      1380

```

actaggtgtt	actgcggaaa	tgcaaaactt	agtccatcgg	cggatttatc	cattttttact	1440
gatggctcgtg	gtattgatgg	caattttgtc	cttccaagtc	cgccagttta	agcgccttta	1500
tgaacatatt	aaaaatgaca	agtaccttgt	gggtcaacga	ctcgtgaact	acgaacggaa	1560
atctggcaaa	caaggctcat	ctccaccacc	tccacagtca	tcccaagaat	aaagtagttg	1620
tctcaacaac	ttgaccttcc	cctttacatg	tccttttttg	tggacttctc	tctttggaga	1680
tttttcccag	tgatctctca	gcgttgtttt	taagttaa	gtatttgact	tgtgttctca	1740
gcattcagag	agcagcgggtg	taagattctg	ctgttctccc	tggatcttct	gacattactg	1800
ctgtctgaga	tttgtatatg	tgtaaataca	agttccttga	taccctaaaa	ccttggatta	1860
aacagaatgt	gcattgtaca	tctttaaaca	aaatgtatat	taatttatta	aatctagttg	1920
tcactttatt	ttggacctgc	tgtgatctcg	acaggaaacg	tgccacagag	cagtagtgcg	1980
caggcaagac	ttttcagtga	cgccttggtg	aacgcagttc	atgatgtcct	agcagctctc	2040
actaagggaa	ctgtacattc	tttctttctt	ggctattcag	accttacc	gaacgttaaa	2100
ggaaacaagt	agaaatcagc	agtggagtgt	ctgtggtaag	aaaacatgaa	ctttatgctt	2160
cactgttagt	tgtttgtgga	agttattttg	tataacacca	aagctgttgt	acatttccta	2220
ctgcctgatt	tttttcatgt	gtctgtgttt	gtaatatgtt	atagtatctt	gtgctaggtg	2280
aggaaattat	tttttaattt	tgataattta	atattcctag	tgtgatcagc	attgggagtt	2340
gggtttcagt	ggggcatgtc	tatacttaga	gaaaaaaagt	cccaatgaag	attttcatga	2400
gtcagccccc	ccgcccgc	ccacccaca	cccacatcct	ctcttttcca	cacacaacta	2460
tctgtttatt	ttttgtagca	gtggccgaaa	gtcctgcaag	gtcataaatc	tttcagagtg	2520
acatcaccaa	ctgtactgca	tcttactgga	tttaggactt	ctgagatgct	tgtgaagtat	2580
agatgtggtt	gtggtcttag	attgacagca	ttagagaaga	ctgggttagaa	catctggtct	2640
cgctggtag	tgccctcgtt	gctgaggact	aggtgtgcat	ttctcctagc	ttttcatcag	2700
gaaatcccaa	agtttccaaa	gctttttgtt	tacagaataa	aacttcaa	aaaaccaatt	2760
cattatttgt	ccagaaggaa	gcttggctga	gctggccttt	taacatagga	atgtatttcg	2820
ttggaaacat	tctgaaaaat	ctcagagaac	tgaaccctta	caaactttgt	tttccctcat	2880
aaccaaagct	tcagggttaga	agtttagaaa	aatagaatgg	ttgggtacat	gatctaaatg	2940
tttaatgcta	aaggtatatc	gtaagggtag	tgtttgtttt	tgaacgataa	tttagaagtt	3000
ctcatagaaa	gcgtataaca	taggtcttca	gaaactataa	aagaattttc	atatagtatt	3060
aaaatccata	gactaaaatc	tgagaatttt	ttaacatatg	caagtcagcc	aaacataagc	3120
taccaaata	aagagcaatg	tgttctggct	gttttatact	tcaacaattt	tttccctaag	3180
tggtaaagcaa	ttacttttaa	acatatTTTT	aaaaacatcg	gtatcgggag	ctgcggtggc	3240
tccggccggt	tgtcctggca	cacaaggagg	cgaggctatg	cgttcgaggc	caacctaggc	3300
aaaattggaa	aaaaaaaaaa	aaa				3323

<210> 569  
 <211> 4792  
 <212> DNA  
 <213> Homo sapiens

<400> 569	ggaccaccca	gtaccgatcc	cttcacgacc	gtcaccatgg	aagtgtcacc	attgcagcct	60
	gtaaataaaa	atatgcaagt	caacaaaata	aagaaaaatg	aagatgctaa	gaaaagactg	120
	tctgttgaaa	gaatctatca	aaagaaaaca	caatttgaac	atattttgct	ccgcccagac	180
	acctacattg	gttctgtgga	attagtgacc	cagcaaatgt	gggtttacga	tgaagatgtt	240
	ggcattaact	atagggaagt	cacttttgtt	cctggtttgt	acaaaatctt	tgatgagatt	300
	ctagttaatg	ctgcggacaa	caaacaaagg	gacccaaaaa	tgtcttgtat	tagagtcaca	360
	attgatccgg	aaaacaattt	aattagtata	tggaaataatg	gaaaagggtat	tcctgttgtt	420
	gaacacaaag	ttgaaaagat	gtatgtccca	gctctcatat	ttggacagct	cctaacttct	480
	agtaactatg	atgatgatga	aaagaaagtg	acagggtggc	gaaatggcta	tggagccaaa	540
	ttgtgtaaca	tattcagtag	caaatttact	gtggaaacag	ccagtagaga	atacaagaaa	600
	atgttcaaac	agacatggat	ggataaatatg	ggaagagctg	gtgagatgga	actcaagccc	660

ttcaatggag	aagattatac	atgtatcacc	tttcagcctg	atgtgtctaa	gtttaaaatg	720
caaagcctgg	acaaagatat	tgttgcacta	atggtcagaa	gagcatatga	tattgctgga	780
tccaccaaag	atgtcaaagt	ctttcttaat	ggaaataaac	tgccagtaaa	aggatttcgt	840
agttatgtgg	acatgtattt	gaaggacaag	ttggatgaaa	ctggtaactc	cttgaaagta	900
atacatgaac	aagtaaacca	caggtgggaa	gtgtgtttaa	ctatgagtga	aaaaggcttt	960
cagcaaatta	gctttgtcaa	cagcattgct	acatccaagg	gtggcagaca	tggtgattat	1020
gtagctgatc	agattgtgac	taaacttggt	gatgttgtga	agaagaagaa	caaggggtggt	1080
gttgacagtaa	aagcacatca	ggtgaaaaat	cacatgtgga	tttttgtaaa	tgctttaatt	1140
gaaaacccaa	cctttgactc	tcagacaaaa	gaaaacatga	ctttacaacc	caagagcttt	1200
ggatcaacat	gccaatgag	tgaaaaat	atcaaagctg	ccattggctg	tggtattgta	1260
gaaagcatac	taaactgggt	gaagtttaag	gcccaagtcc	agttaaacaa	gaagtgttca	1320
gctgtaaaac	ataatagaat	caagggaatt	cccaaactcg	atgatgccaa	tgatgcaggg	1380
ggccgaaact	ccactgagt	tacgcttacc	ctgactgagg	gagattcagc	caaaactttg	1440
gctgtttcag	gccttggtgt	ggttgggaga	gacaaatatg	gggttttccc	tcttagagga	1500
aaaatactca	atgttcgaga	agcttctcat	aagcagatca	tgaaaaatgc	tgagattaac	1560
aatatcatca	agattgtggg	tcttcagtac	aagaaaaact	atgaagatga	agattcattg	1620
aagacgcttc	gttatgggaa	gataatgatt	atgacagatc	aggaccaaga	tggttcccac	1680
atcaaaggct	tgctgattaa	ttttatccat	cacaactggc	cctctcttct	gcgacatcgt	1740
tttctggagg	aatttatcac	tcccattgta	aaggtatcta	aaaacaagca	agaaatggca	1800
ttttacagcc	ttcctgaatt	tgaagagtgg	aagagtctca	ctccaaatca	taaaaaatgg	1860
aaagtcaa	attacaaagg	tttgggcacc	agcacatcaa	aggaagctaa	agaatacttt	1920
gcagatatga	aaagacatcg	tatccagttc	aaatatctctg	gtcctgaaga	tgatgctgct	1980
atcagcctgg	cctttagcaa	aaaacagata	gatgatcgaa	aggaatgggt	aactaatttc	2040
atggaggata	gaagacaacg	aaagttactt	gggcttctctg	aggattactt	gtatggacaa	2100
actaccacat	atctgacata	taatgacttc	atcaacaagg	aacttatctt	gttctcaaat	2160
tctgataacg	agagatctat	cccttctatg	gtggatgggt	tgaaaccagg	tcagagaaag	2220
gttttgttta	cttgcttcaa	acggaatgac	aagcgagaag	taaagggtgc	ccaattagct	2280
ggatcagtgg	ctgaaatgtc	ttcttatcat	catgggtgaga	tgtcactaat	gatgaccatt	2340
atcaatttgg	ctcagaattt	tgtgggtagc	aataatctaa	acctcttgca	gccattgggt	2400
cagtttggtta	ccaggctaca	tggtggcaag	gattctgcta	gtccacgata	catctttaca	2460
atgctcagct	ctttggctcg	attgttat	ccaccaaag	atgatcacac	gttgaagt	2520
ttatatgatg	acaaccagcg	tggtgagcct	gaatgggtaca	ttcctattat	tcccatgggtg	2580
ctgataaatg	gtgctgaagg	aatcgggtact	gggtggctcct	gcaaaatccc	caactttgat	2640
gtgctgtaaa	ttgtaaataa	catcaggcgt	ttgatggatg	gagaagaacc	tttgccaatg	2700
cttccaagtt	acaagaactt	caagggtact	attgaagaac	tggtccaaa	tcaatatgtg	2760
attagtgggtg	aagtagctat	tcttaattct	acaaccattg	aaatctcaga	gcttcccgtc	2820
agaacatgga	cccagacata	caaagaacaa	gttctagaac	ccatgttgaa	tggcaccgag	2880
aagacacctc	ctctcataac	agactatagg	gaataccata	cagataccac	tgtgaaat	2940
gttgtgaaga	tgactgaaga	aaaactggca	gaggcagaga	gagttggact	acacaaagtc	3000
ttcaaactcc	aaactagtct	cacatgcaac	tctatgggtgc	tttttgacca	cgtaggctgt	3060
ttaaagaaat	atgacacggt	gttggtatatt	ctaagagact	tttttgaaact	cagacttaaa	3120
tattatggat	taagaaaaga	atggctccta	ggaatgcttg	gtgctgaatc	tgctaaactg	3180
aataatcagg	ctcgctttat	cttagagaaa	atagatggca	aaataatcat	tgaaaataag	3240
cctaagaaaag	aattaattaa	agttctgatt	cagaggggat	atgattcgga	tcctgtgaag	3300
gcctggaaaag	aagcccagca	aaaggttcca	gatgaagaag	aaaatgaaga	gagtgacaac	3360
gaaaaggaaa	ctgaaaagag	tgactccgta	acagattctg	gaccaacctt	caactatctt	3420
cttgatatgc	ccctttggta	tttaaccaag	gaaaagaaag	atgaactctg	caggctaaga	3480

aatgaaaaag	aacaagagct	ggacacatta	aaaagaaaga	gtccatcaga	tttgtggaaa	3540
gaagacttgg	ctacatttat	tgaagaattg	gaggctgttg	aagccaagga	aaaacaagat	3600
gaacaagtcg	gacttcctgg	gaaagggggg	aaggccaagg	ggaaaaaaac	acaaatggct	3660
gaagttttgc	cttctccgcg	tggtcaaaga	gtcattccac	gaataaccat	agaaatgaaa	3720
gcagaggcag	aaaagaaaaa	taaaaagaaa	attaagaatg	aaaatactga	aggaagccct	3780
caagaagatg	gtgtggaact	agaaggccta	aaacaaagat	tagaaaagaa	acagaaaaga	3840
gaaccaggta	caaagacaaa	gaaacaaact	acattggcat	ttaagccaat	caaaaaagga	3900
aagaagagaa	atccctggcc	tgattcagaa	tcagatagga	gcagtgcga	aagtaatttt	3960
gatgtccctc	cacgagaaac	agagccacgg	agagcagcaa	caaaaacaaa	attcacatg	4020
gatttgatt	cagatgaaga	tttctcagat	tttgatgaaa	aaactgatga	tgaagatttt	4080
gtcccatcag	atgctagtcc	acctaagacc	aaaacttccc	caaaacttag	taacaaagaa	4140
ctgaaaccac	agaaaagtgt	cgtgtcagac	cttgaagctg	atgatgttaa	gggcagtgt	4200
ccactgtctt	caagccctcc	tgctacacat	ttcccagatg	aaactgaaat	tacaaaccca	4260
gttcctaaaa	agaatgtgac	agtgaagaag	acagcagcaa	aaagtcatgc	ttccacctcc	4320
actaccggtg	ccaaaaaaag	ggctgcccc	aaaggaacta	aaagggatcc	agctttgaat	4380
tctgggtgtc	ctcaaaagcc	tgatcctgcc	aaaaccaaga	atcgccgcaa	aaggaagcca	4440
tccacttctg	atgattctga	ctctaatttt	gagaaaattg	tttcgaaagc	agtcacaagc	4500
aagaaatcca	agggggagag	tgatgacttc	catatggact	ttgactcagc	tgtggctcct	4560
cgggcaaaat	ctgtacgggc	aaagaaacct	ataaagtacc	tggaagagtc	agatgaagat	4620
gatctgtttt	aaaatgtgag	gcgattatct	taagtaatta	tcttaccaag	ccaagactg	4680
gttttaagt	tacctgaagc	tcttaacttc	ctcccctctg	aatttagttt	ggggaaggtg	4740
tttttagtac	aagacatcaa	agtgaagtaa	agcccaagtg	ttctttagct	tt	4792

<210> 570  
 <211> 2261  
 <212> DNA  
 <213> Homo sapiens

<400> 570						
ccgcggttcc	ggctgctccg	gcgaggcgac	ccttgggtcg	gcgctgcggg	cgaggtgggc	60
aggtaggtgg	gcggacggcc	gcggttctcc	ggcaagcgca	ggcggcggag	tccccacgg	120
cgcccgaagc	gcccccgca	cccccgccct	ccagcgttga	ggcgggggag	tgaggagatg	180
ccgaccaga	gggacagcag	caccatgtcc	cacacggtcg	caggcggcgg	cagcggggac	240
cattcccacc	aggtccgggt	gaaagcctac	taccgcgggg	atatcatgat	aacacatttt	300
gaaccttcca	tctcctttga	gggcctttgc	aatgaggttc	gagacatgtg	ttcttttgac	360
aacgaacagc	tcttcacat	gaaatggata	gatgaggaag	gagaccctg	tacagtatca	420
tctcagttgg	agttagaaga	agcctttaga	ctttatgagc	taaacaagga	ttctgaactc	480
ttgattcatg	tgttccttg	tgtaccagaa	cgtcctggga	tgccttgtcc	aggagaagat	540
aatccatct	accgtagagg	tgcacgcgc	tggagaaagc	tttattgtgc	caatggccac	600
actttccaag	ccaagcgttt	caacaggcgt	gctcactgtg	ccatctgcac	agaccgaata	660
tggggacttg	gacgccaagg	atataagtgc	atcaactgca	aactcttgg	tcataagaag	720
tgccataaac	tcgtcacaat	tgaatgtggg	cggcattctt	tgccacagga	accagtgatg	780
cccatggatc	agtcattccat	gcattctgac	catgcacaga	cagtaattcc	atataatcct	840
tcaagtcatg	agagtttgga	tcaagttgg	gaagaaaaag	aggcaatgaa	caccagggaa	900
agtggcaaa	cttcatccag	tctaggtctt	caggattttg	atttgctccg	ggtaatatga	960
agaggaagtt	atgccaaagt	actgttggtt	cgattaaaaa	aaacagatcg	tatttatgca	1020
atgaaagtgt	tgaaaaaaga	gcttggtaat	gatgatgagg	atattgattg	ggtacagaca	1080
gagaagcatg	tgtttgagca	ggcatccaat	catcctttcc	ttgttgggct	gcattcttgc	1140
tttcagacag	aaagcagatt	gttctttgtt	atagagtatg	taaatggagg	agacctaatg	1200
tttcatatgc	agcgacaaag	aaaacttcct	gaagaacatg	ccagatttta	ctctgcagaa	1260
atcagtcctag	cattaaatta	tcttcatgag	cgagggataa	tttatagaga	tttgaaactg	1320

gacaatgtat	tactggactc	tgaaggccac	attaaactca	ctgactacgg	catgtgtaag	1380
gaaggattac	ggccaggaga	tacaaccagc	actttctgtg	gtactcctaa	ttacattgct	1440
cctgaaattt	taagaggaga	agattatggt	ttcagtgttg	actgggtggc	tcttgaggatg	1500
ctcatgtttg	agatgatggc	aggaaggtct	ccatttgata	ttgttgggag	ctccgataac	1560
cctgaccaga	acacagagga	ttatctcttc	caagttattt	tggaaaaaca	aattcgcata	1620
ccacgttctc	tgtctgtaaa	agctgcaagt	gttctgaaga	gttttcttaa	taaggaccct	1680
aaggaacgat	tgggttgtca	tcctcaaaca	ggatttgctg	atattcaggg	acaccggttc	1740
ttccgaaatg	ttgattggga	tatgatggag	caaaaacagg	tgggtacctcc	ctttaaacca	1800
aatatttctg	gggaatttgg	tttgacaac	tttgattctc	agtttactaa	tgaacctgtc	1860
cagctcactc	cagatgacga	tgacattgtg	aggaagattg	atcagtctga	atttgaaggt	1920
tttgagtata	tcaatcctct	tttgatgtct	gcagaagaat	gtgtctgatc	ctcatttttc	1980
aacctgtat	tctactcatg	ttgccattta	atgcatggat	aaacttgctg	caagcctgga	2040
tacaattaac	cattttatat	ttgccaccta	caaaaaaaca	cccaatatct	tctctttag	2100
actatatgaa	tcaattatta	catctgtttt	actatgaaaa	aaaaattaat	actactagct	2160
tccagacaat	catgtcaaaa	tttagttgaa	ctggtttttc	agtttttaaa	aggcctacag	2220
atgagtaatg	aagttacctt	ttttgtttta	aaaaaaaaa	g		2261

<210> 571  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<400> 571						
cggctgagag	gcagcgaact	catctttgcc	agtacaggag	cttgtgccgt	ggcccacagc	60
ccacagccca	cagccatggg	ctgggacctg	acggtgaaga	tgctggcggg	caacgaattc	120
caggtgtccc	tgagcagctc	catgtcggtg	tcaagagctga	aggcgcagat	caccagaag	180
attggcgtgc	acgccttcca	gcagcgtctg	gctgtccacc	cgagcgggtg	ggcgtgcag	240
gacagggctc	cccttgccag	ccagggcctg	ggccctggca	gcacggctct	gctgggtggtg	300
gacaaatgcg	acgaacctct	gagcatcctg	gtgaggaata	acaagggccg	cagcagcacc	360
tacgaggtcc	ggctgacgca	gaccgtggcc	cacctgaagc	agcaagttag	cgggctggag	420
ggtgtgcagg	acgacctgtt	ctggctgacc	ttcgagggga	agccctgga	ggaccagctc	480
ccgctggggg	agtacggcct	caagcccttg	agcaccgtgt	tcatgaatct	gcgcctgcgg	540
ggaggcggca	cagagcctgg	cgggcggagc	taagggcctc	caccagcatc	cgagcaggat	600
caagggccgg	aaataaaggc	tgttgtaaga	gaat			634

<210> 572  
 <211> 2533  
 <212> DNA  
 <213> Homo sapiens

<400> 572						
ggagctcaag	ctcctctaca	aagaggtgga	cagagaagac	agcagagacc	atgggacccc	60
cctcagcccc	tccttgacga	ttgcatgtcc	cctggaagga	ggtcctgctc	acagcctcac	120
ttctaacctt	ctggaaccca	cccaccactg	ccaagctcac	tattgaatcc	acgccattca	180
atgtcgcaga	ggggaaggag	gttcttctac	tgcgccacaa	cctgccccag	aatcgtattg	240
gttacagctg	gtacaaaggc	gaaagagtgg	atggcaacag	tctaattgta	ggatatgtaa	300
taggaactca	acaagctacc	ccagggcccg	catacagtgg	tcgagagaca	atatacccca	360
atgcatccct	gctgatccag	aacgtcacc	agaatgacac	aggattctat	accctacaag	420
tcataaagtc	agatcttgtg	aatgaagaag	caaccggaca	gttccatgta	taccgggagc	480
tgcccaagcc	ctccatctcc	agcaacaact	ccaaccccg	ggaggacaag	gatgctgtgg	540
ccttcacctg	tgaacctgag	gttcagaaca	caacctacct	gtggtgggta	aatggtcaga	600
gctccccgg	cagtcccagg	ctgcagctgt	ccaatggcaa	catgaccctc	actctactca	660
gcgtcaaaa	gaacgatgca	ggatcctatg	aatgtgaaat	acagaaccca	gcgagtgcc	720
accgcagtga	cccagtcacc	ctgaatgtcc	tctatggccc	agatgtcccc	accatttccc	780
cctcaaaggc	caattaccgt	ccaggggaaa	atctgaacct	ctcctgccac	gcagcctcta	840

acccacctgc	acagtactct	tggtttatca	atgggacgtt	ccagcaatcc	acacaagagc	900
tctttatccc	caacatcact	gtgaataata	gcggatccta	tatgtgccaa	gcccataact	960
cagccactgg	cctcaatagg	accacagtca	cgatgatcac	agtctctgga	agtgtctcctg	1020
tcctctcagc	tgtggccacc	gtcggcatca	cgattggagt	gctggccagg	gtggctctga	1080
tatagcagcc	ctgggtgatt	ttcgatattt	caggaagact	ggcagattgg	accagaccct	1140
gaattcttct	agctcctcca	atcccatttt	atcccatgga	accactaaaa	acaaggtctg	1200
ctctgtcct	gaagccctat	atgctggaga	tggacaactc	aatgaaaatt	taaagggaaa	1260
accctcaggc	ctgaggtgtg	tgccactcag	agacttcacc	taactagaga	cagtcaaact	1320
gcaaaccatg	gtgagaaatt	gacgacttca	cactatggac	agcttttccc	aagatgtcaa	1380
aacaagactc	ctcatcatga	taaggctctt	accccccttt	aatttgtcct	tgcttatgcc	1440
tgctcttttc	gcttggcagg	atgatgctgt	cattagtatt	tcacaagaag	tagcttcaga	1500
gggtaactta	acagagtgtc	agatctatct	tgtcaatccc	aacgttttac	ataaaataag	1560
agatccttta	gtgcacccag	tgactgacat	tagcagcatc	tttaacacag	ccgtgtgttc	1620
aaatgtacag	tggtcctttt	cagagttgga	cttctagact	cacctgttct	cactccctgt	1680
tttaattcaa	cccagccatg	caatgccaaa	taatagaatt	gctccctacc	agctgaacag	1740
ggaggagtct	gtgcagtttc	tgacacttgt	tgttgaacat	ggctaaatac	aatgggtatc	1800
gctgagacta	agttgtagaa	attaacaaat	gtgctgcttg	gttaaaatgg	ctacactcat	1860
ctgactcatt	ctttattcta	ttttagttgg	tttgtatctt	gcctaagggtg	cgtagtccaa	1920
ctcttggtat	taccctccta	atagtcatac	tagtagtcat	actccctggt	gtagtgtatt	1980
ctctaaaagc	tttaaagtgc	tgcatgcagc	cagccatcaa	atagtgaatg	gtctctcttt	2040
ggctggaatt	acaaaactca	gagaaatgtg	tcatacaggag	aacatcataa	cccatgaagg	2100
ataaaagccc	caaatggtgg	taactgataa	tagcactaat	gctttaagat	ttgggtcacac	2160
tctcacctag	gtgagcgcac	tgagccagtg	gtgctaaatg	ctacatactc	caactgaaat	2220
gttaaggaag	aagatagatc	caattaaaaa	aaattaaaac	caatttaaaa	aaaaaaaaaga	2280
acacaggaga	ttccagtcta	cttgagttag	cataatacac	aagtccectc	tactttaact	2340
tttacaaaaa	agtaacctga	actaatctga	tgtaaaccaa	tgtattttatt	tctgtgggttc	2400
tgtttccttg	ttccaatttg	acaaaaccca	ctgttcttgt	attgtattgc	ccagggggag	2460
ctatcactgt	acttgtagag	tgggtgctgct	ttaattcata	aatcacaaat	aaaagccaat	2520
tagctctata	act					2533

<210> 573  
 <211> 2427  
 <212> DNA  
 <213> Homo sapiens

<400> 573	gcaaggggcg	cgccgcagcg	gggccagacc	ccggaggccg	gcgcggacaa	60
ggggcgggcg	gcgagccacg	gcgggcctct	gcggcgggcg	cggcggggcg	cggcgccacc	120
gcggcgggca	gggcgcggag	aacctgccgg	cttgaagagc	cagggccaac	gagctgttcc	180
gaagcgggca	gttgcccagag	gcggccggca	gtactcggcg	gcaatcgcg	tcctggagcc	240
cgcaggaagt	gaaattgcag	atgatctaag	tatttatattc	aatagagcag	catgttacct	300
aaaagaagga	aactgcagtg	gctgcattca	agattgtaac	agggctctgg	aacttcatcc	360
attctctatg	aaacctcttc	tgaggcgggc	gatggcctat	gaaactctag	agcagtatgg	420
gaaagcttat	gtggattata	aaacagtgtt	gcagatagac	tgtggactcc	agctagcaaa	480
tgacagtgtt	aacaggctat	caagaatttt	aatggagctg	gatggaccaa	attggcggga	540
gaagctgtca	cttattcctg	ctgtgcctgc	ttctgtgcca	ctgcaagctt	ggcatccggc	600
aaaagagatg	atctcaaaac	aagcaggaga	ctccagcagc	catcgccagc	agggcatcac	660
agatgaaaaa	acatttaag	cccttaagga	agaaggaaat	caatgtgtaa	atgacaaaaa	720
ctataaagac	gccctcagta	aatacagcga	atgcttaag	attaacaata	aggaatgtgc	780
catatataca	aacagagctc	tctgttactt	gaagctgtgc	cagtttgaag	aagcaaagca	840
ggactgtgat	caggcacttc	agctagctga	tgggaacgtg	aaagccttct	atagacgagc	900

tctggctcat	aaaggactca	agaattatca	gaaaagctta	attgatctca	ataaagttat	960
cctactagat	ccaagtatta	ttgaggcaaa	gatggaactg	gaagaggtaa	ctagactcct	1020
taatcttaag	gataagacag	caccattcaa	caaagaaaag	gagagaagga	aaattgagat	1080
tcaagagggtg	aatgaaggca	aggaggagcc	tggaagacct	gcaggggagg	tctccacggg	1140
atgccttgct	tctgagaagg	gaggcaaaaag	cagcagggtca	ccagaagacc	ctgagaaact	1200
tccgatagcc	aagcctaata	atgcctatga	atttggtcag	attataaatg	ctctcagtac	1260
caggaaggat	aaagaagcct	gtgcacatct	tttagccatc	actgcaccaa	aagatttgcc	1320
gatgttttta	agtaacaaac	ttgaagggga	tacattcctt	ctcctcattc	agtctctgaa	1380
aaataatctt	attgaaaaag	atccctcatt	ggtgtatcag	catcttttat	acctgagtaa	1440
agcagaaagg	tttaagatga	tggtgacact	aattagcaag	ggccaaaagg	agctaattga	1500
acagctgttt	gaggaccttt	cagacacacc	aaacaaccat	tttactttag	aagatataca	1560
ggccctaata	aggcagtatg	agcttttaaat	caagataatt	gtagattttc	ttccatgcat	1620
gtatgtgttc	caggaatggt	aatgagatgg	tattgtaaaa	gagttgcatg	gataaaactt	1680
ggcctagaaa	agtttggtct	gcactataaaa	acattttact	tattttccta	catagaacat	1740
gtatattcta	caatctgctt	tttattagtt	gtaaatattt	tcttatgtac	cagaacccaa	1800
taagtatatt	tagaacttgt	taaaaataca	ttttaattta	tgatatacat	attattttta	1860
ttacttggtta	aaattttgag	ttaagttgca	tttctttggg	ctatgaagga	gtcctcttaa	1920
gtttgataga	aatgaatttc	ttgtaacatt	cttttttaaa	agtgggaagt	attaacagtg	1980
attattatat	cacttatatc	ctgctaagat	acacataaat	cccattttgt	actagtacct	2040
gtggattaca	gtcagttaaa	atgaaatgca	acactgaagt	ctataacatg	aaatgattat	2100
taaattgttt	attaattttag	agctataaga	ggaacttatt	ttttctaata	cggaagcatt	2160
gcctaataat	taagaacaaa	aattgccaaa	aattttctacc	actttttact	agatttttaa	2220
aagctacttt	cttttatatt	gcctatataa	gcaaaaaacc	aaccactgta	ttaaagcaaa	2280
ctaagcctgc	atttatatct	gaattattac	ctccatattt	taccaaacat	ttgaatgtcc	2340
cccttcccc	ttttttgttt	tctgctttta	tgactgtatt	tattccttta	ctgtaaaaga	2400
atatgaagaa	ctcaaaaaaa	aaaaaaa				2427

<210> 574  
 <211> 3090  
 <212> DNA  
 <213> Homo sapiens

<400> 574						
gaattcaggg	gacccatggg	aaaatttcca	aaacaaccag	gctctcacct	actgggaatg	60
tgtctatttta	ctcatggtca	caatgtccac	cgttggttat	ggggatgttt	atgcaaaaac	120
cacacttggg	cgctcttca	tggtcttctt	catcctcggg	ggactggcca	tgtttgccag	180
ctacgtccct	gaaatcatag	agttaatagg	aaaccgcaag	aaatacgggg	gctcctatag	240
tgcggttagt	ggaagaaagc	acattgtggt	ctgcggacac	atcactctgg	agagtgtttc	300
caacttctctg	aaggactttc	tgcaacaagg	ccgggatgac	gtcaatgtgg	agatcgtttt	360
tcttcacaac	atctccccca	acctggagct	tgaagctctg	ttcaaacgac	attttactca	420
ggtggaattt	tatcaggggt	ccgtcctcaa	tccacatgat	cttgcaagag	tcaagataga	480
gtcagcagat	gcatgcctga	tccttgccaa	caagtactgc	gctgaccggg	atgcggagga	540
tgctctgaat	atcatgagag	taatctccat	aaagaactac	catccgaaga	taagaatcat	600
cactcaaag	ctgcagtatc	acaacaaggc	ccatctgcta	aacatcccga	gctggaattg	660
gaaagaagg	gatgacgcaa	tctgcctcgc	agagttgaag	ttgggcttca	tagcccagag	720
ctgcctggct	caaggcctct	ccaccatgct	tgccaacctc	ttctccatga	ggtcattcat	780
aaagattgag	gaagacacat	ggcagaaata	ctacttgga	ggagtctcaa	atgaaatgta	840
cacagaatat	ctctccagtg	ccttcgtggg	tctgtccttc	cctactgttt	gtgagctgtg	900
ttttgtgaag	ctcaagctcc	taatgatagc	cattgagtag	aagtctgcca	accgagagag	960
ccgtatatta	attaatcctg	gaaaccatct	taagatccaa	gaaggtagct	taggattttt	1020
catcgcaagt	gatgccaaag	aagttaaaag	ggcatttttt	tactgcaagg	cctgtcatga	1080



tgacatcaca	gatcccaaaa	gaataaaaaa	atgtggctgc	aaacggctca	aggttgacgc	1140
tagatcacgc	tattccaaag	atccatttga	gttcaagaag	gagactccca	attctcggct	1200
tgtgaccgag	ccagttgaag	atgagcagcc	gtcaacacta	tcaccaaaaa	aaaagcaacg	1260
gaatggaggc	atgcggaact	caccaaacac	ctcgcttaag	ctgatgaggc	atgaccctt	1320
gttaattcct	ggcaatgac	agattgacaa	catggactcc	aatgtgaaga	agtacgactc	1380
tactgggatg	tttcaactgt	gtgcacccaa	ggagatagag	aaagtcatcc	tgactcgaag	1440
tgaagctgcc	atgaccgtcc	tgagtggcca	tgtcgtggtc	tgcatctttg	gcgacgtcag	1500
ctcagccctg	atcggcctcc	ggaacctggg	gatgccgtcc	cgtgccagca	actttcatta	1560
ccatgagctc	aagcacattg	tgtttgtggg	ctctattgag	tacctcaagc	gggaatggga	1620
gacgcttcat	aacttcccca	aagtgtccat	attgcctggg	acgccattaa	gtcgggctga	1680
tttaagggct	gtcaacatca	acctctgtga	catgtgcgtt	atcctgtcag	ccaatcagaa	1740
taatattgat	gatacttcgc	tgcaggacaa	ggaatgcac	ttggcgctac	tcaacatcaa	1800
atctatgcag	tttgatgaca	gcatcgaggt	cttgcaggct	aattcccaag	ggttcacacc	1860
tccaggaatg	gatagatcct	ctccagataa	cagcccgagt	cacgggatgt	tacgtcaacc	1920
atccatcaca	actgggggtca	acatcccat	catcactgaa	ctagtgaacg	ataactaatgt	1980
tcagtttttg	gaccaagacg	atgatgatga	ccctgataca	gaactgtacc	tcacgcagcc	2040
ctttgcctgt	gggacagcat	ttgcctgcag	tgtcctggac	tcactcatga	gcgcgacgta	2100
cttcaatgac	aatatcctca	ccctgatacg	gaccctgggt	accggaggag	ccacgccgga	2160
gctggaggct	ctgattgctg	aggaaaacgc	ccttagaggt	ggctacagca	ccccgcagac	2220
actggccaat	agggaccgct	gccgcgtggc	ccagttagct	ctgctcgatg	ggccatttgc	2280
ggacttaggg	gatggtgggt	gttatgggtga	tctgttctgc	aaagctctga	aaacatataa	2340
tatgctttgt	tttgaattt	accggctgag	agatgctcac	ctcagcaccc	ccagtcagt	2400
cacaaagagg	tatgtcatca	ccaaccgccc	ctatgagttt	gagctcgtgc	cgacggacct	2460
gatcttctgc	ttaatgcagt	ttgaccacaa	tgcgggccag	tcccgggcca	gcctgtccca	2520
ttcctcccac	tcgtcgcagt	cctccagcaa	gaagagctcc	tctgttccat	ccatcccatc	2580
cacagcaaac	cgacagaacc	ggcccaagtc	cagggagctc	cgggacaaaac	agaagtacgt	2640
gcaggaagag	cggctttgat	atgtcttcc	tacttcccc	cattgccacc	ccccaatccc	2700
agtaccccc	tcggtctggt	cacatctctg	tgttcatctt	ggcaagacct	actcaatcaa	2760
gtgatgatgc	cagttgataa	acttccctgg	aaaacattta	cagctattcc	atttgcaaaa	2820
cttgcttctc	tgtcaatatt	tcatcctcct	ttaaaccagg	agggttatta	atggcaaaaag	2880
cattggctct	ctttatgctt	gatcagtatg	actcaaatta	aaagtgttct	gctgtgtata	2940
tcaactcagt	agcccacacc	cagttatctg	ggagctgatg	gttcagtcac	tgtattaccc	3000
aatctttcc	tgccagctgc	ctttcagaca	tttgtaaata	cccaaccaga	gaccgggcag	3060
atagagagaa	gtaaatactga	agtgcgtttt				3090

<210> 575  
 <211> 1161  
 <212> DNA  
 <213> Homo sapiens

<400> 575	ggggggcggt	gccgttggga	ccacggcggc	cagagcgcca	ggatggcttc	cggcttcaag	60
	aagcccagcg	ctgcctccac	cggccaaaag	agaaaggtgg	cacctaagcc	cgagctcact	120
	gaggatcaga	agcaagaagt	tcgggaagca	tttgacctct	tcgacgtgga	cggaggtggg	180
	accatcgacg	cgaaggagct	gaaggtggcc	atgagagcgc	tgggcttcga	accaggaag	240
	gaagagatga	agaaaatgat	ctccgaggtg	gacaggggaag	gcacggggaa	gatcagcttc	300
	aatgacttcc	tggccgtgat	gacgcagaag	atgtccgaga	aggacaccaa	agaagaaatc	360
	ctgaaggcct	tcaggctctt	tgatgacgat	gagaccggga	agatctcgtt	caaaaacctg	420
	aagcgtgtgg	ccaacgagct	gggggagaac	ctcacggatg	aggagctgca	ggagatgatc	480
	gacgaagctg	atcgggatgg	ggacggcgaa	gtgaacgagg	aggagttcct	tcggatcatg	540
	aagaagacca	gcctttactg	aagtccgttc	agaagctaaa	gtgactctct	gggttgctctg	600

cttccatttt	gtgaaacctt	agaggacagc	ggctgcctgt	cccttcttca	ccccctcacc	660
cccataat	gtctagatct	atttccatat	ctctagttca	ataatagaat	ttgaaagatg	720
cttgtaatgt	gagttttggg	ttttaattct	caagagccaa	cctggagcac	atgagggttaa	780
acaaagggcc	ctgaagtttg	agtgcgcctt	ccatttgccc	tgtgctgaac	ttgctgttca	840
tctgttgatc	tggaggcagg	acagcttctg	ggacacacaa	aaatgtgggt	ccctttgtca	900
cttctttggg	ggctcttaaat	tatcttgctt	catatatcat	tccttaaat	ccagtcattg	960
ttccagcata	atgagatgga	atctgccagt	agatttgcct	agcctgtcca	cttagctgaa	1020
taccagtttg	aaggaaaaca	gggtggccac	ttacaaactt	acggagctca	ggacagatat	1080
tcttataaag	aatagacttg	cttgggtggg	agtacgttgt	gcaattttga	ctattcactg	1140
gctttatacc	tgcaaagccc	c				1161

<210> 576  
 <211> 2040  
 <212> DNA  
 <213> Homo sapiens

<400> 576						
tgctctaaag	caaagtgtat	cactgagtca	ttgccatctg	cagaatcaga	acctgttgaa	60
attgaggtag	agattgccga	agccattgaa	gtggaagatg	aaggcatcga	aacattagag	120
gaagtggctt	ctgccaaagc	gtccgtaaag	tacatacaga	gcacaggttc	ctctgatgat	180
tctgctctag	cactgttggc	agatattacc	agcaagtacc	gtcaagggtga	cagaaaaggg	240
cagattaaag	aagatggctg	tccatctgac	cccacgagca	aacaggtaga	aggtattgaa	300
attgtggaac	ttcagctgtc	acatgtgaag	gacttggtcc	attgtgagaa	atgtaaccgt	360
tcatttaaat	tgtttttacca	ttttaaggag	cacatgaaat	cacactccac	tgagagtttc	420
aagtgtgaaa	tatgcaataa	acgatatctt	cgagagagcg	catggaaaca	gcacctaaat	480
tgttaccacc	ttgaagaagg	tggagtcagt	aagaagcaaa	gaactgggaa	aaaaattcat	540
gtatgtcagt	actgtgagaa	acagtttgac	cattttggac	atttttaaga	acatcttcga	600
aaacatacag	gtgaaaaacc	ttttgaatgt	ccaaattgtc	atgaacgatt	tgctagaaat	660
agcactctga	aatgtcacct	cactgcatgc	caaactggag	tagggggcaaa	aaaaggaagg	720
aagaagctct	acgaatgcc	ggctctgcaac	agtgtgttta	acagctggga	ccagttcaaa	780
gatcacttgg	taatacacac	tggagataaa	cccaaccatt	gtactttatg	tgatttgtgg	840
tttatgcaag	gaaatgaatt	aaggaggcat	ctcagtgatg	ctcacaatat	ttcagagcgt	900
ctagtaacgg	aagaagttct	ttcagtagaa	acacgtgtgc	aaactgaacc	tgtaacatca	960
atgactatta	tagaacaagt	tgggaagggtg	catgtgctac	cattgcttca	ggttcagggtg	1020
gattcagcac	aagtgactgt	ggaacaagtc	catccagatc	tgctccagga	cagccagggtg	1080
cacgattcac	acatgagtga	gcttccagag	cagggtccaa	tgagttatct	agaagtgggc	1140
cgaattcaga	ctgaagaagg	tactgaagta	catgtagagg	agctgcatgt	tgaacgggtc	1200
aatcaaatgc	cagtgggaagt	acaaactgaa	cttctagaag	cagatttgga	ccacgtgacc	1260
ccagaaatca	tgaaccaaga	ggagagagag	tctagccaag	cagatgctgc	tgaggctgcc	1320
aggggaagatc	acgaagatgc	tgaggattta	gagaccaagc	caacagtgga	ttctgaagca	1380
gaaaaggcag	agaatgagga	cagaacagct	ctgccagttt	tagaatgaaa	ttacacatga	1440
atatatTTTT	aaatttactt	gttgggtttt	tgaactgatt	atgggcagtt	tgactgtcct	1500
taattaagcc	taacagacaa	gtggaccaaa	gttaagctgt	ttcctgttgt	gctgaactgt	1560
tgtccgttga	aacacattga	ttccccctcc	cctacttatt	gccacagagg	agggatcttt	1620
tccataactg	aaggggagtt	ttgagaagta	tatttctgga	aacttaaatg	gatttatattc	1680
ttattatata	gttgggtacg	aatgtatcta	ttttcattgt	ggtaaaagtt	cttccttttc	1740
tctttcccag	gtcatgttct	tcctcaaatt	ttttccatat	tgtaaaatca	aacttaaatc	1800
attagaatac	aagtttatgt	attctaagtc	atgttagaaa	attgaataat	ataggaaaca	1860
caaggctgca	tgatgaaaag	tgcattgtta	ctgtgcagtt	aaattttggc	ttctggcttt	1920
ctttagtttg	aacaaacgtt	cttgtctacc	ccagtagtca	cagatgccat	ctttgcaaca	1980
gaaagagtgg	tgggtggcaaa	atttctagaa	tgttcttttag	agcacactgg	ggtaccggat	2040

<210> 577  
 <211> 2635  
 <212> DNA  
 <213> Homo sapiens

```

<400> 577
gaattcggca cgaggggtgc tattgtgagg cggttgtaga agagtttcgt gagtgtcgc 60
agctcatacc tgtggctgtg tatccgtggc cacagctggt tggcgtcgcc ttgaaatccc 120
aggccgtgag gagttagcga gccctgctca cactcggcgc tctggttttc ggtgggtgtg 180
ccctgcacct gcctcttccc ccattctcat taataaaggat atccatggag aacactgaaa 240
actcagtggg ttcaaaatcc attaaaaatt tggaaacaaa gatcatacat ggaagcgaat 300
caatggactc tggaaatatc ctggacaaca gttataaaat ggattatcct gagatgggtt 360
tatgtataat aattaataat aagaattttc ataaaagcac tggaaatgaca tctcgggtctg 420
gtacagatgt cgatgcagca aacctcaggg aaacattcag aaacttgaaa tatgaagtca 480
ggaataaaaa tgatcttaca cgtgaagaaa ttgtggaatt gatgcgtgat gtttctaaag 540
aagatcacag caaaaggagc agttttgttt gtgtgcttct gagccatggt gaagaaggaa 600
taatttttgg aacaaatgga cctgttgacc tgaaaaaaat aacaaacttt ttcagagggg 660
atcgtttagt aagtctaact ggaaaaccca aacttttcat tattcaggcc tgcctgggta 720
cagaactgga ctgtggcatt gagacagaca gtgggtgttg tgatgacatg gcgtgtcata 780
aaataccagt ggatgccgac ttcttgtatg catactccac agcacctggt tattattctt 840
ggcgaaattc aaaggatggc tcctggttca tccagtcgct ttgtgccatg ctgaaacagt 900
atgccgacaa gcttgaattt atgcacattc ttaccgggt taaccgaaag gtggcaacag 960
aatttgagtc cttttccttt gacgctactt ttcatgcaa gaaacagatt ccatgtattg 1020
tttccatgct cacaaaagaa ctctattttt atcactaaag aaatggttgg ttggtgggtt 1080
tttttagttt gtatgccaa tgagaagatg gtatatgttg tactgtattt ccctctcatt 1140
ttgacctact ctcatgctgc agagggtact ttaagacata ctcttccat caaatagaac 1200
cactatgaag ctacctcaaa cttccagtca ggtagtgtga attgaattaa attaggaata 1260
aataaaaaat gatactggtg cagtcattat gagaggcaat gattgttaat ttacagcttt 1320
catgattagc aagttacagt gatgctgtgc tatgaatttt caagtaattg tgaaaaagtt 1380
aaacattgaa gtaatgaatt tttatgatat tccccccact taagactgtg tattctagtt 1440
ttgtcaaact gtagaaatga tgatgtggaa gaacttaggc atctgtgggc atggtcaaag 1500
gctcaaacct ttatttttaga attgatatac acggatgact taactgcatt ttagaccatt 1560
tatctgggat tatggttttg tgatgtttgt cctgaacact tttgttgtaa aaaaataata 1620
ataataatgt ttaatattga gaaagaaact aatattttat gtgagagaaa gtgtgagcaa 1680
actaacttga cttttaaggc taaaacttaa cattcataga ggggtggagt ttttaactgt 1740
aggtgtcaca atgcccctgg atctaccagc ataaatatct tctgatttgt ccctatgcat 1800
atcagttgag cttcatatac cagcaatata tctgaagagc tattatataa aaaccccaaa 1860
ctgttgatta ttagccagggt aatgtgaata aattctatag gaacatatga aaatacaact 1920
taaataataa acagtggaat ataaggaaaag caataaatga atgggctgag ctgcctgtaa 1980
cttgagagta gatggttttg gcctgagcag agacatgact cagcctgttc catgaaggca 2040
gagccatgga ccacgcagga agggcctaca gccatttct ccatacgcac tggatatgtg 2100
ggatgatgct gccagggcgc catcgccaag taagaaagtg aagcaaatca gaaacttgtg 2160
aagtggaaat gttctaaagg tgggtgaggca ataaaaatca tagtactctt tgtagcaaaa 2220
ttcttaagta tgttattttc tgttgaagtt tacaatcaaa ggaaaatagt aatgttttat 2280
actgtttact gaaagaaaaa gacctatgag cacataggac tctagacggc atccagccgg 2340
aggccagagc tgagcactca gccggggagg caggctccag gctcagcag gtgcggagcc 2400
gtcactgcac caagtctcac tggctgtcag tatgacattt cacgggagat ttcttgttgc 2460
tcaaaaaatg agctcgcatt tgtcaatgac agtttctttt ttcttactag acctgtaact 2520
tttgtaaata cacacagcat gtaatggtat cttaaagtgt gtttctatgt gacaattttg 2580
tacaaatttg ttattttcca tttttatttc aaaatataca ttcaaactta aaatt 2635
    
```

<210> 578  
<211> 1009  
<212> DNA  
<213> Homo sapiens

<400> 578  
tcagctcctc cagcttccgc cagcgaatgt tggggaacct gcttcggcct ccatatgaaa 60  
ggccagagct ccccatatgt ctctatgtaa ttgggctgac tggcatcagt ggctctggga 120  
agagctcaat agctcagcga ctgaagggcc tgggggcggtt tgtcattgac agtgaccacc 180  
tgggtcatcg ggcctatgcc ccaggtggcc ctgcctacca gcctgtgggtg gaggcctttg 240  
gaacagatat tctccataaa gatggcatca tcaacaggaa ggtcctaggc agccgggtgt 300  
ttgggaataa gaagcagctg aagatactca cggacattat gtggccaatt atcgcaaagc 360  
tggcccagaga ggagatggat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatg 420  
ccgctgtgtt gcttgaagcc ggctggcaga acctgggtcca tgaggtgtgg actgctgtca 480  
tcccagagac tgaggctgta agacgcattg tggagaggga tggcctcagt gaagccgcgg 540  
ctcaaagccg gctgcagagc cagatgagcg ggcagcagct tgtggaacag agccacgtgg 600  
tgctcagcac ttgtgggagc cgcataatcac ccaacgccag gtggagaaaag cctgggacct 660  
cttgacagaag cgcattccca agactcatca ggcctcgcac tgaaagggtc tcagtggggc 720  
cagactggct cctggagctg acaagcgacc ccgtgggtgag gagaaatggg ggccttgatg 780  
ctcacccctg ttcaggccca gaggtccaag ctatactgtg caggacatgg ccaggcctgg 840  
tggacacagg aagcctaccc aacacgctgg tatttggcca acactgagga tgtggttcat 900  
gggggagcag tccctcccc actcttgccc atgggtgact cttaccaca gctgactagg 960  
gccagcgcaa atactggaac ctgtaacaga attaaagggtg aatgttctg 1009

<210> 579  
<211> 1896  
<212> DNA  
<213> Homo sapiens

<400> 579  
gcggcggtgg cggaggcgga cacattggcg tgagacctgg gactacgttg tgccaaatca 60  
ttgccacttg ccacatgagt gtaaattgat gcggatgcaa gtatgtcctc tgccgatggg 120  
aaaagcgatt atggcctgcg aaggtgacag ccattattct gtaacttcag gacttagaaa 180  
tgactttcgg gtgacaagta aaatcttgat caggagatac ctaggatttg cttcagtga 240  
ataattgagc cagaacacgg ttggcactga ttctcgttcc ccatttaatg gggttttgg 300  
ctagtgcctc caaggttaca cttccagaaa tgtctttttt ttttcacact aaaaaaaaa 360  
aaaagaatca gctgtaaaaa ggcatgtaag gctgtaactc aaggaaagat ctggcaagca 420  
gccctgtgat agtaaattat ggtcgtgttc agggaaatgct ttccagcaat tcagtagaca 480  
gtgctcagct gcaatgcaa agcccaggtc cttgtctttg tctgccactg gcctctcatg 540  
cctcagtttc cccatctgtg aaacaatggg gattggacca aatatctgaa atcccatggt 600  
tataggcctt caggattacc tgctgcattt gtgctaaagt ttgccactgt ttctcactgt 660  
cagctgttgt aataacaagg attttctttt gttttaaatg taggttttgg ccggaaccgc 720  
gacttcaaca aaaaataaga gaagaaagga atattttcta gctgtgcaaa tctctccct 780  
agaggaaaag ttaattgttg tgttgtttta atactgtttt tccccgtgta gatttctgat 840  
acttcaatcc cctactcccc caaaacagtt gaagcccagc ccactcttaa tgggcttatt 900  
caccatttgt gtaattcatt aatgctcata ataacctcat gagaaagcaa ctagtgtgat 960  
tttatgtcag tttggaagct gaagatccaa acgaggcatt ctgtgagatc tatggagaga 1020  
ttggtacaaa cactgaatac atgtaaatta tactcagggt agaccctatt tgtgggttaa 1080  
atagggatat ttcttttttt tttttttttt ttttgactgt ttcttaatca gtgccatgcc 1140  
aggaaaatag ggatgtttcc tcccagaga tctgtgtgtc ttttttcaga aacgtctgtg 1200  
acaggcccat caattttgaa atatttgggt tttgagcctg tactctaaa ccagcgttta 1260  
acgttcaaaa ggcaaataac tgatgaccag gcggcacatt gttctgctcc gtgagtgtct 1320  
ggcactggga aaggtgtaga ttgtctagaa tgacagcaat tccgacgcc cagtcagtc 1380

tgcgtgattg	tggcgagggc	gcgctctggca	ccgggaaggt	gtagatcatc	tagaatgacg	1440
gcgattccga	cgccccggtc	agtcctgctg	gattggcgag	ggtgcatctg	tcgtgagaat	1500
tcccagttct	gaagagagca	aggagactga	tcccgcgtag	tccaaggcat	tggctccctt	1560
gttgctcttc	cttggtggagc	tccccctgcc	ccactccctc	ctgcctgcat	cttcagagct	1620
gcctctgaag	ctcgcttggg	ccctagctca	cactttccct	gcggctggga	aggtaattga	1680
atactcgagt	ttaaaaaggaa	agcacatcct	tttaaaccac	aacacacctg	ctgggctgta	1740
aacagctttt	agtgcatta	ccatctactc	tgaaaatcta	acaaaggagt	gatttgtgca	1800
gttgaaagta	ggatttgcct	cataaaaagtc	acaatttgaa	ttcatttttg	cttttaaatac	1860
cagccaacct	tttctgtctt	aaaaggaaaa	aaaaaa			1896

<210> 580  
 <211> 3172  
 <212> DNA  
 <213> Homo sapiens

<400> 580						
gctgggttta	gtaggagacc	tggggcaagg	ccccctgtgg	acgaccatct	gccagcttct	60
ctcgttccgt	cgattgggag	gagcgggtggc	gacctcggcc	ttcagtgttt	ccgacggagt	120
gaatggcggc	ggcggctggg	atgctgctgc	tgggcttgct	gcaggcgggt	gggtcgggtgc	180
tgggccaggc	gatggagaag	gtgacaggcg	gcaacctctt	gtccatgctg	ctgatcgctt	240
gcgccttcac	cctcagcctg	gtctacctga	tccgtctggc	cgccggccac	ctgggtccagc	300
tgcccgagg	ggtgaaaagt	cctccataca	ttttctcccc	aattccattc	cttgggcatg	360
ccatagcatt	tgggaaaagt	ccaattgaat	ttctagaaaa	tgcatatgag	aagtatggac	420
ctgtatttag	ttttaccatg	gtaggcaaga	catttactta	ccttctgggg	agtgatgctg	480
ctgcactgct	ttttaatagt	aaaaatgaag	acctgaatgc	agaagatgtc	tacagtgcgc	540
tgacaacacc	tgtgtttggg	aagggtgttg	catacgatgt	gcctaatacca	gttttcttgg	600
agcagaagaa	aatgttaaaa	agtggcctta	acatagccca	ctttaaacag	catgtttcta	660
taattgaaaa	agaaacaaag	gaatactttg	agagttgggg	agaaagtggg	gaaaaaaaaatg	720
tgtttgaagc	tctttctgag	ctcataatct	taacagctag	ccattgtttg	catggaaagg	780
aaatcagaag	tcaactcaat	gaaaaggtag	cacagctgta	tgcagatttg	gatggagggt	840
tcagccatgc	agcctggctc	ttaccagggt	ggctgccttt	gcctagtttc	agacgcaggg	900
acagagctca	tcgggaaatc	aaggatattt	tctataaggc	aatccagaaa	cgcagacagt	960
ctcaagaaaa	aattgatgac	attctccaaa	ctttactaga	tgctacatac	aaggatgggc	1020
gtcctttgac	tgatgatgaa	gtagcaggga	tgcttattgg	attactcttg	gcagggcagc	1080
atacatcctc	aactactagt	gcttggatgg	gcttcttttt	ggccagagac	aaaacacttc	1140
aaaaaaaaatg	ttatttagaa	cagaaaacag	tctgtggaga	gaatctgcct	cctttaactt	1200
atgaccagct	caaggatcta	aatttacttg	atcgctgtat	aaaagaaaca	ttaagactta	1260
gacctcctat	aatgatcatg	atgagaatgg	ccagaactcc	tcagactgtg	gcagggtata	1320
ccattcctcc	aggacatcag	gtgtgtgttt	ctcccactgt	caatcaaaga	cttaaagact	1380
catgggtaga	acgcctggac	tttaatcctg	atcgctactt	acaggataac	ccagcatcag	1440
gggaaaagt	tgctatgtg	ccatttggag	ctgggcgtca	tcgttgtatt	ggggaaaatt	1500
ttgcctatgt	tcaaattaag	acaatttggg	ccactatgct	tcgtttatat	gaatttgatc	1560
tcattgatgg	atactttccc	actgtgaatt	atacaactat	gattcacacc	cctgagaacc	1620
cagttatccg	ttacaaacga	agatcaaaat	gaaaaagggt	gcaaggaacg	aatatatgtg	1680
attatcactg	taagccacaa	aggcattcga	agagaatgaa	gtgtacaaaa	caactcttgt	1740
agtttactgt	ttttttaagt	gtgtaattct	aaaagccagt	ttatgattta	ggattttgtt	1800
aactgaatgg	ttctatcaaa	tataatagca	tttgacacat	tttctaatag	ttatgatact	1860
tatacatgtg	ctttcaggaa	gttccttggg	gaaacaattg	ttgagggggg	atctaggtaa	1920
ttggcagatt	ctaaataata	taatttccag	atagtaattt	taagagtact	catcgctctt	1980
gccaataaag	ttcagggtat	tcaaactctg	gactagtcct	gcaagggtata	aagaataaaa	2040
atcccagtga	gatacttggg	aaccacagtt	tattattatt	tatctgggca	attattgtgt	2100

gtgtgaggat	ggaagggtag	ggaataatcg	aacatctaaa	gccttgaata	agagaatact	2160
aattgttttg	gtatgatgat	actcagaaat	ggagatatta	taggaaaaag	aaatcctttg	2220
gaattttaac	taaaatcact	gcatatggga	aattaagaga	tccaggacca	tatttgataa	2280
gagttcctaa	aaataatgta	attattaatg	ctaaagactg	ctcatgtatc	ttgatctaata	2340
tactaaataa	attacatatt	tatttacctg	ataaatatgt	atctagttct	acaaggtcac	2400
atttatgtgg	aagtccaaag	tcaagtcctt	aggggataat	tttgttttgg	gctcagttgt	2460
tccttgcttc	cttttttttt	tttttttttt	tttgagatgg	agtctcgctc	tggtgcccag	2520
gctggagtgc	agtggtgcga	tctcagctca	ctgcatcctc	tgccctcccg	gttcaagcaa	2580
ttctctgcct	cagcctccca	agtagttggg	attacaggca	cctgccacca	tgcttggtta	2640
atttttttga	tttttagtag	agacgggggt	ttcactatgt	tggttaggct	ggctctgaac	2700
tcctgagcct	cgtgagtcca	cccgccttgg	cctcccaaag	tgctgggatt	acaggcatga	2760
gccaccgcac	ctggccttcc	ctgcttcctc	tctagaatcc	aattagggat	gtttgttact	2820
actcatattg	attaaaacag	ttaacaaact	tttttctttt	taaaatgtga	gatcagtgaa	2880
ctctggtttt	aagataatct	gaaacaaggt	ccttgggagt	aataaaattg	gtcacattct	2940
gtaaagcaca	ttctgtttag	gaatcaactt	atctcaaatt	gtaactcggg	gcctaactat	3000
atgagatggc	tgaaaaaata	ccacatcgtc	tgttttcact	aggtgatgcc	aaaatatttt	3060
gctttatgta	tattacagtt	ctttttaaaa	cactggaaga	ctcatgttaa	actctaattg	3120
tgaaggcaga	atctctgcta	atttttcaga	ttaaaattct	ctttgaaaaa	at	3172

<210> 581  
 <211> 2200  
 <212> DNA  
 <213> Homo sapiens

<400> 581	cgggattact	gccaggcaca	gcacgacctc	tatgcagaca	agtgaactgt	agaaactgat	60
tactgctcca	ccaagaagcc	cccataagag	tggttatcct	ggacacagaa	gtgttgaatt		120
gaaatccaca	gagcatttta	caagagttct	gacctggatg	gggtaaacct	cagtgcactt		180
cttttctgtt	ggcctcagta	ttactggatt	gaagaattgc	tgcttcttgt	taggagggtc		240
atttcactta	tcattactta	caacttcata	ctcaaagcac	tgagaatttc	aagtggagta		300
tattgaagta	gacttcagtt	tctttgcata	atttctgtat	tcaatttttt	taattatttc		360
ataaccctat	tgagtgtttt	taactaaata	acatggctcg	aatgaaccgc	ccagctcctg		420
tggaagtcac	atacaagaac	atgagatttc	ttattacaca	caatccaacc	aatgcgacct		480
taaacaaatt	tatagaggaa	cttaagaagt	atggagttac	cacaatagta	agagtatgtg		540
aagcaactta	tgacactact	cttgtggaga	aagaaggat	ccatgttctt	gattggcctt		600
ttgatgatgg	tgaccacca	tccaaccaga	ttgttgatga	ctgggttaagt	cttgtgaaaa		660
ttaagtttct	tgaagaacct	ggttgtttga	ttgctgttca	ttgcgttgca	ggccttgga		720
gagctccagt	acttgttgcc	ctagcattaa	ttgaagggtg	aatgaaatac	gaagatgcag		780
tacaattcat	aagacaaaag	cggcgtggag	cttttaacag	caagcaactt	ctgtatttgg		840
agaagtatcg	tcctaaaatg	cggctgcgtt	tcaaagattc	caacggtcac	agaaacaact		900
gttgcatcca	ataaaattgg	gggtgccta	gctactggaa	gtggaacttg	agatagggcc		960
taatttggtta	tacatattag	ccaacatgtt	ggcttagtaa	gtctaataga	gcttccatag		1020
gagtattgaa	aggcagtttt	accaggcctc	aagctagaca	gatttgga	cctctgtatt		1080
tggtgttacag	tcaacctatt	tgatacttg	gcaaaagatt	cttgctgtca	gcatataaaa		1140
tgtgcttgct	atttgtatca	attgaccttt	ccccaaatca	tgagatttgg	agttatgact		1200
tggttaaact	attcccatgc	cagaatctta	tcaatacata	agaaatttag	gaagattagg		1260
tgccaaaata	cccagcaca	tacttgtata	tttttagtac	catacagaag	taaaatccca		1320
ggaactatga	acactagacc	ttatgtggtt	tattccttca	atcatttcaa	acattgaaag		1380
tagggcctac	atggttattt	gcctgctcac	tttatgttta	catctccac	attcatacca		1440
atatacgtca	ggtttgctta	accattgatt	tttttttttt	ttaccaagtc	ttacagtgat		1500
tattttacgt	gtttccatgt	atctcacttt	gtgctgtatt	aaaaaacct	ccattttgaa		1560

aatctacgtt	gtacagaagc	acatgtcttt	aatgtcttca	gacaaaaaag	ccttacatta	1620
atttaaatgtt	tgcaactctga	ggtgcaactt	aacagggagg	gcctgagaaa	agaatgggag	1680
ggggctatta	attatttttt	agcaaaatgt	tgcttttgc	ttgtgcaaac	atgtagaata	1740
tgctctttta	tctagtaaaa	tattttttta	aaaggtagag	atgctttgtt	attgtaatca	1800
taaacttcct	gaaattcttg	taattttttc	ccatacttat	cagaagtgtg	tttaccaact	1860
tattttttgtt	tgaaagtgtg	attttttttt	tccttcccaa	cctctcttgc	aaaaaaagaa	1920
atggggtttct	gctaataaat	tgagcagaga	tctaataatt	tatatgcctt	ttgagctgtg	1980
taagttaata	tttgataact	gacaatttgt	tttattatgt	aattgataaa	atgggtgatgt	2040
gtattaatgt	tagttcaacc	atatatttat	actgtctggg	gatgtgtggg	tatagttctg	2100
tgggagaaat	aattttgtca	gtgttcacca	gcttgtaaaa	acttagtgcg	agagctgaaa	2160
catctaaata	aataatgaca	tgcatttatc	atcattgaaa			2200

<210> 582  
 <211> 1033  
 <212> DNA  
 <213> Homo sapiens

<400> 582						
ccactaaagt	gcaagaatta	cattgcactg	tttctccact	ttttattttc	tcttaggctt	60
ttgtttctat	ttcaaacata	ctttcttggg	tttctaattg	agtatatagt	ttagtcatth	120
cacagactct	ggcctcctct	cctgaaatcc	ttttggatgg	ggaaagggaa	ggtggggagg	180
gtccgacagt	ggcggtagag	aggagactcc	ggctggcgac	cggggactgg	tggagtgggg	240
tgatagccaa	gccatgggag	acaagaagag	ccccaccagg	ccgaagcggc	acgcgaagcc	300
ttcctcggat	gaggggttact	gggactgtag	cgtctgcacc	ttccggaaca	gcgccgaggg	360
cttcaagtgc	atgatgtgcg	atgtgcggaa	gggcacctcc	acccggaaac	ctcgacctgt	420
ctcccagttg	gttgcacagc	aggttactca	gcagtttgtg	cctcctacac	agtcaaagaa	480
agagaaaaaa	gataaagtag	aaaaagaaaa	aagtgaaaag	gaaacaacta	gcaaaaagaa	540
tagccataag	aaaaccaggc	caagattgaa	aaatgtggat	cggagttagt	ctcagcattt	600
ggaagttact	gttgagagac	tgacagtcac	tattacagac	tttaaggaga	aaacaaagtc	660
accgcctgca	tctagtgtct	cctctgcaga	tcaacacagt	caaagcggct	ctagctctga	720
taacacagag	agaggaatgt	ccaggtcatc	ttcaccacga	ggagaagcct	catcattgaa	780
tggagaatct	cattaaagtt	tattttctcc	aattttcttag	tcacttctgt	cctaccatgc	840
aaatacacag	attatgccaa	gaggtaccac	attttcatga	cagatacatt	catgcacaat	900
ccataatttg	agttttacat	aaaatagaaa	tttgtttagaa	tttgtttagat	tttattgcaa	960
tgatgcctac	caaacatttc	cagacttaac	attttgggtc	ctgcagttaa	gtgccatgaa	1020
aatgtggttg	aat					1033

<210> 583  
 <211> 2738  
 <212> DNA  
 <213> Homo sapiens

<400> 583						
cgcggaattc	cgcggaattc	cgcgccgccc	cgcgccgccc	accccgcgct	cggtctccgg	60
ctcggtctgc	tcggtctccg	tgcgcgccga	ggccatgcag	cgccggggcg	ccctgttccg	120
catgccgggc	ggcagcggag	gcaggaagat	ggctgcagga	gacatcggcg	agctgctagt	180
gccccacatg	cccacgatcc	gcgtgccccc	gtccggcgac	agggctctaca	agaacgagtg	240
cgcttctctc	tacgactctc	ccaattctga	aggtggactc	tatgtatgca	tgaatacatt	300
tttgcccttt	ggaagggaac	atgttgaaaag	acattttcga	aaaactggac	agagtgtata	360
catgcacctg	aaaagacatg	cgcgagagaa	ggtaagaggg	gcgtctgggt	gagcggtacc	420
aaaaaggagg	aattccaaga	ttttttttaga	tctagatact	gatgacgatt	taaatagcga	480
cgattatgaa	tatgaagatg	aagccaaact	tggttatattc	ccagatcact	atgaaatagc	540
actaccaaact	attgaggagt	taccagccct	ggtaacaatt	gcttgtgatg	cagttctcag	600
ctcaaaatct	ccatacagaa	agcaggaccc	agacacgtgg	gaaaatgaat	tgccagtatc	660
taaatatgcc	aacaacctca	cccagctgga	caatggagtc	aggattcctc	caagtgggtg	720

gaagtgtgcc	agatgcgacc	tgcgagaaaa	cctctggttg	aatctgactg	acggctctgt	780
cctgtgtgga	aagtgggttct	ttgacagctc	tgggggcaac	gggcatgcgc	tggagcatta	840
cagagacatg	ggctaccac	tagccgtgaa	actgggaacc	atcactcctg	acggggcaga	900
tgtttattct	tttcaagaag	aagaacctgt	tttggatcct	catttggcca	agcacttagc	960
gcattttgga	attgatatgc	ttcatatgca	tgggacagag	aatgggctcc	aggacaatga	1020
catcaagctg	agggtcagtg	agtgggaagt	gatccaggag	tcgggcacga	aactgaagcc	1080
aatgtatggt	cctggctaca	cggtctgaa	gaacctgggc	aacagctgct	atctcagctc	1140
tgtcatgcag	gccatcttca	gcacccaga	attccagaga	gcgtatgtag	gaaaccttcc	1200
cagaatat	gactactcgc	ctttagatcc	aacacaagat	ttcaacacac	agatgactaa	1260
gttaggacat	ggccttctct	caggccagta	ttcaaagcct	ccggtgaaat	ctgaactcat	1320
tgaacaggtg	atgaaggagg	agcacaagcc	acagcagaac	gggatctctc	cgcgcatggt	1380
taaggccttt	gtaagcaaga	gccacccgga	attctcctct	aacaggcagc	aagatgccca	1440
ggaattcttc	ttgcacctgg	tgaatctagt	agagaggaac	cgcatcggct	cagaaaaccc	1500
aagcgatggt	tttcgttttt	tgggtggaaga	acgcattcag	tgctgtcaga	cccggaaagt	1560
ccgctacacg	gagagggtgg	attacctgat	gcagttacct	gtggccatgg	aggcggcaac	1620
caacaaggat	gaactgatcg	cttatgaact	aacgagaagg	gaagcagaag	caaacagaag	1680
accccttctc	gagttggtac	gtgccaagat	accatttagt	gcctgccttc	aggccttctc	1740
tgaaccagaa	aatgttgatg	atttctggag	cagtgcctta	caagcaaagt	ctgcgggtgt	1800
gaaaacatct	cgctttgctt	cattccctga	atacttggtg	gtgcagataa	agaagttcac	1860
ttttggtctt	gactgggttc	ccaaaaaatt	tgatgtttct	attgatatgc	cagacctact	1920
tgatatcaac	catctccgag	ccaggggggt	acagccagga	gaggaagaac	ttccagacat	1980
cagccccccc	atagtcattc	ctgatgactc	aaaagatcgc	ctgatgaacc	aattgataga	2040
cccatcagac	atcgatgagt	catcagtgat	gcagctggcc	gagatgggtt	ttccgctgga	2100
agcatgtcgc	aaggctgtgt	acttcactgg	aaatatgggc	gccgaggtgg	ccttcaactg	2160
gatcattgtt	cacatggaag	agccagattt	tgctgagccg	ctgacctatg	ctgggttatgg	2220
aggggcagct	tctgctggag	cctctgtttt	tgggtgcttct	ggactggata	accaacctcc	2280
agaggaaatc	gtagctatca	tcacctccat	gggatttcag	cgaaatcagg	ctattcaggc	2340
actacgagca	acgaataata	acctggaaag	agcactggat	tggatcttta	gccacctga	2400
gtttgaagaa	gacagtgatt	ttgtgattga	gatggagaat	aatgccaatg	caaacattat	2460
ttctgaggcc	aagcccgaag	gacctagagt	caaggatgga	tctggaacat	atgagctatt	2520
tgcattcatc	agtcacatgg	gaacatccac	aatgagtggg	cattacattt	gccatatcaa	2580
aaaggaagga	agatgggtga	tttacaatga	ccacaaagtt	tgtgcctcag	aaaggccccc	2640
taaagacctg	ggctacatgt	actttttaccg	caggatacca	agctaaacct	caaataataa	2700
aattggcgaa	aagaagccat	acgccttttt	aatttgcc			2738

<210> 584  
 <211> 1548  
 <212> DNA  
 <213> Homo sapiens

<400> 584						
aatgaaatgt	gtacagcttg	ccgtgttctg	actgtaccct	tccctcttcc	atgtctgaga	60
atctccgtgt	attttaagaa	tgtgtgagga	gaggggtggcg	attcatgttt	caatgagcct	120
cttttttttt	tttcttctct	gttttggtct	atggctgggtc	ttactctgtg	tccatgttcg	180
gaagctctag	ttttgcatag	aattatagag	atgccaaact	ctttgaaaag	agatccaaat	240
ttatcgcttg	agagaaagaa	aagaaacact	attttttgta	ttttacctga	gatacagggg	300
cacaaataga	tgagaatttt	acagtgttag	tgtatgtatc	cctgagccta	aaaaatgagg	360
atataacctt	ttacagagag	agtgaggcgt	gggtggtttta	tatttatata	tgaaaggcca	420
gcaagctcat	gcgaaggata	tacttttctt	ccaaaaagcg	gatttttttt	tttttaatgt	480
ttgaatctat	atttgagatg	ggagtgttgg	tggattaaac	atgacacccc	ggtggggcgt	540
gtgtgtgtct	gttgacatg	gcagggaggg	gagcctcctt	ctcatggggg	tgccatgggt	600



atcattgggtt	tttccatcaa	aattgcatct	tcattccatag	attaccttcc	ccttccctga	660
cagtccataa	ccaaaccttt	aaacagaaca	acctctttaa	aaacttctct	tgtgtttaac	720
actttcttca	tgccaacgaa	acagggtaaa	catgctcaaa	acattaacag	tctaaacaga	780
tatccaaata	ctaagaagaa	aaacaagtta	tagcactttc	aatttttttt	ttttttttaa	840
aaaaagggtt	atagcttttt	cttttcccat	gtcacaatgt	ccacttccta	agaagggttt	900
aaaatactat	gaaaactttc	tttttgggga	aaatatctat	ttggtgtttg	acacatcagt	960
aggtacttta	aagacctgaa	ttttatagta	gctttaggag	ttatatatta	taaaaatcag	1020
ttatgacttt	atatttccag	acaatagaga	gttcagtaca	tcattgctctt	gtgcctctgc	1080
ctgcttttcc	tgcggtccca	ccctgtattc	ccccgcctt	tcgggtttcc	agggtctcga	1140
gcttgatctt	ttgaaagttt	tattctatta	aatttttgc	atatcttctg	gttttctgaa	1200
aaagcttttag	aatgggtttc	ataccctttg	tatcactgca	tttttccata	tcattctccg	1260
ttcgatcgcg	tccagatgga	aaacggaagc	agaggcttct	aatcgtcgca	tttactggct	1320
ccagtgcac	acatccatct	gaaaacactc	ggaagtctgg	tgcttgagga	gggtgccatt	1380
gtctcttgta	cataagggtc	tgacgtgtct	atgtcaaaag	ttcttatata	tttcttttat	1440
aagctgaaag	aaggtctatt	tttatgtttt	taggtctatg	aatggaacgt	tgtaaatgct	1500
tgtcaaaca	taaaaataac	gaaaagtga	aaaaaaaaa	aaaaaaaaa		1548

<210> 585  
 <211> 1952  
 <212> DNA  
 <213> Homo sapiens

<400> 585	gtggaagaga	cctacttgca	cattcttaac	ctgtatttga	acacaaaata	tctatacttc	60
	atgctccagc	ccaagcctat	accctgtaat	agcatactat	tattgaaatc	gcttgaccgg	120
	tcttggtcac	ataggcctct	gggagtgtat	tggttctttg	ccctaagtgt	tcatctgacg	180
	gtctcttttt	gatcaaccaa	tttttctaaa	agttcagtcg	aaagctttta	agtatagctt	240
	cctcccttga	aaaaaaatgt	aaactatgac	tgctgagtga	taaaacactg	tggtgtgaaa	300
	gtgtcatctt	cactgccaat	caggcaaaga	ccggaagat	ttgcatttta	ttatgtctgt	360
	cttatcatgc	aatggaaatg	atgctttttg	taagtatgca	tcttaccaat	gatgtaatgg	420
	tttaatacct	ttgaatgttt	taataaccaa	gttgctgctg	aacttatact	aaatcagggg	480
	accaaaaaac	ttgctcttat	cttctcaaat	tgtattctat	atccattaat	gtatcagtta	540
	tcccaaagcc	ttcaggtgga	gggggtttacc	accttcctag	gtcggttcaac	caggttttgt	600
	gaggaatgca	ttcaaagtgg	ctttataaaa	gaagattttc	tttagcaaga	ataatgaggt	660
	catgtcattt	gttaataagt	atctgtgata	aatccgtggt	tcaagggtta	gccattctgg	720
	tattctggta	ttagcaactg	taaattctgc	cacctcatac	atggaacaga	gcttggtgga	780
	tgctaatagt	tagtgaagta	tacatgattt	aatttcta	aatctttatg	ttttctttaa	840
	ggatgggtgt	gtattgctct	ttttcagctt	tatttttaag	agtacagtca	ggaaaccaac	900
	aaggggccta	agagtggctg	cccctgcttg	ggacattaca	gcaagtga	caaagtta	960
	gtgacaagct	ttgctttgtt	atcattggct	ttcactagag	gatacctttt	acatgtactt	1020
	ctctcttgga	tcaaatatgt	ctttaactgt	acatctcagt	ggctggaggc	catgcctttt	1080
	aagcatgtgt	aaaattttta	aagaaatgaa	catcacata	gttattttag	taatatattcc	1140
	tgaagaaaa	accaaattct	gctataagtc	ttgatcttca	atgaactttt	aaataatgca	1200
	tttagctgga	aaacaagact	ttctcagctt	gtattaccta	gaagcgtgaa	tgtataggat	1260
	acctgactac	taagactata	ttctcagccc	tgccctgtct	tttatttgcg	ggtcta	1320
	aatattagaa	tatattaacc	gcttaaggca	ttgaagccat	atgggatggg	gaatgcattt	1380
	cttcagtgtt	tctccgagag	actttccatt	tccttgaggt	tatggcggca	agtaagtatc	1440
	atagtattaa	gaaatttgcc	taaatctgag	ttgtgccttt	ctttactcac	aaggcatggg	1500
	ctttgtcctg	gtgatcagtt	tgtaagcctt	cttccttccc	agctccttaa	taaaagcaaa	1560
	gtgattgagt	aggtaatgtt	caaagtgtct	gcctgtgtac	atgtacttgt	attgattatg	1620
	tagttcagta	agatgtgccc	aagtcatttc	agaaagaaag	acccttcagt	tttgatgcat	1680

tttgc	tgaac	acttg	ggtag	tgagt	gggat	cctat	ccagt	tgagg	aatgc	ttgca	atgct	1740
cattg	aagg	atttg	ctttg	ggact	ttgtc	atctt	ccaga	aaggaa	acat	attgt	atatt	1800
tgccc	cagt	tgatt	gattg	ctttat	ctttt	ggtaa	ctttt	acttg	aatgg	gattt	gctga	1860
attaat	gact	attga	attta	aaacta	aatta	tgagt	tgaca	aataa	ataaaa	aggtag	tgtt	1920
tatgt	ctgaa	aaaaaaaa	aaaaaaaa	aa								1952

<210> 586  
 <211> 4739  
 <212> DNA  
 <213> Homo sapiens

<400> 586	ggggagatag	gtaggagtag	cgtggtaagg	gcgatgagtg	tggggccgggc	gggagtgagg	60
	cgagagccgg	ctggctgagc	ttagcgtccg	aggaggcggc	ggcggcggcg	gcggcagcgg	120
	cggcggcggg	gctgtggggc	ggtgcggaag	cgagaggcga	ggagcgcgcg	ggccgtggcc	180
	agagtctggc	ggcggcctgg	cggagcggag	agcagcgcgc	gcgcctcgcc	gtgcggagga	240
	gccccgcaca	caatagcggc	gcgcgcagcc	cgcgccttc	cccccgggc	gccccgcccc	300
	gcgcgcagag	cgccccgctc	cgccctcacct	gccaccaggg	agtgggcggg	cattgttcgc	360
	cgccgcgcgc	gccgcgcggg	gccatggggg	ccgcccggcg	cccggggccg	ggcctggcga	420
	ggccgcgcgc	ccgcccgtga	gacgggcccc	gcgcgcagcc	cggcggcgca	ggtaaggccg	480
	gccgcgccat	ggtggacccg	gtgggcttcg	cggaggcgtg	gaaggcgcag	ttcccggact	540
	cagagccccc	gcgcatggag	ctgcgctcag	tgggcgacat	cgagcaggag	ctggagcgct	600
	gcaaggcctc	cattcggcgc	ctggagcagg	aggtgaacca	ggagcgcctc	cgcatgatct	660
	acctgcagac	gttgctggcc	aagggaaaaga	agagctatga	ccggcagcga	tggggcttcc	720
	ggcgcgcggc	gcaggccccc	gacggcgcct	ccgagccccc	agcgtccgcg	tcgcgccccg	780
	agccagcgc	cgccgacgga	gccgacccgc	cgcccgcga	ggagcccag	gcccggcccc	840
	acggcgaggg	ttctccgggt	aaggccaggc	ccgggaccgc	ccgcaggccc	ggggcagccg	900
	cgtcggggga	acgggacgac	cggggacccc	ccgccagcgt	ggcggcgctc	aggtccaact	960
	tcgagcggat	ccgcaagggc	catggccagc	ccggggcgga	cgccgagaag	cccttctacg	1020
	tgaacgtcga	gtttcaccac	gagcgcggcc	tgggtgaagg	caacgacaaa	gaggtgtcgg	1080
	accgcatcag	ctccctgggc	agccaggcca	tgagatgga	gcgcaaaaag	tcccagcacg	1140
	gcgcgggctc	gagcgtgggg	gatgcattca	ggccccctta	ccggggacgc	tcctcggaga	1200
	gcagctgcgg	cgtcgacggc	gactacgagg	acgccgagtt	gaacccccgc	ttcctgaagg	1260
	acaacctgat	cgacgccaat	ggcggtagca	ggcccccttg	gccgccccctg	gagtaccagc	1320
	cctaccagag	catctacgtc	gggggcatga	tgggaagggga	gggcaagggc	ccgctcctgc	1380
	gcagccagag	cacctctgag	caggagaagc	gccttacctg	gccccgcagg	tcctactccc	1440
	cccggagttt	tgaggattgc	ggaggcggct	ataccgccga	ctgcagctcc	aatgagaacc	1500
	tcacctccag	cgaggaggac	ttctcctctg	gccagtccag	ccgcgtgtcc	ccaagcccca	1560
	ccacctaccg	catgttcggg	gacaaaagcc	gctctccctc	gcagaactcg	caacagtcct	1620
	tcgacagcag	cagtccccc	acgccgcagt	gccataagcg	gcaccggcac	tgcccgggtg	1680
	tcgtgtccga	ggccaccatc	gtgggcgtcc	gcaagaccgg	gcagatctgg	cccaacgatg	1740
	gcgagggcgc	cttccatgga	gacgcagatg	gctcgttcgg	aacaccacct	ggatacggct	1800
	gcgctgcaga	ccgggcagag	gagcagcgcc	ggcaccaaga	tgggctgcc	tacattgatg	1860
	actcgcctc	ctcatcgccc	cacctcagca	gcaagggcag	gggcagccgg	gatgcgctgg	1920
	tctcgggagc	cctggagtcc	actaaagcga	gtgagctgga	cttggaagag	ggcttggaga	1980
	tgagaaaatg	ggtcctgtcg	ggaatcctgg	ctagcgagga	gacttacctg	agccacctgg	2040
	aggcactgct	gctgcccatt	aagcctttga	aagccgctgc	caccacctct	cagccggtgc	2100
	tgacgagtca	gcagatcgag	accatcttct	tcaaagtgcc	tgagctctac	gagatccaca	2160
	aggagtctta	tgatgggctc	ttcccccgcg	tgacgagtg	gagccaccag	cagccgggtg	2220
	gcgacctctt	ccagaagctg	gccagccagc	tgggtgtgta	ccgggccttc	gtggacaact	2280
	acggagtgtg	catggaaatg	gctgagaagt	gctgtcaggc	caatgctcag	tttgacagaa	2340

tctccgagaa	cctgagagcc	agaagcaaca	aagatgccaa	ggatccaacg	accaagaact	2400
ctctggaaac	tctgctctac	aagcctgtgg	accgtgtgac	gaggagcacg	ctggtcctcc	2460
atgacttgct	gaagcacact	cctgccagcc	accctgacca	ccccttgctg	caggacgccc	2520
tccgcatctc	acagaacttc	ctgtccagca	tcaatgagga	gatcacaccc	cgacggcagt	2580
ccatgacggg	gaagaagggg	gagcaccggc	agctgctgaa	ggacagcttc	atgggtggagc	2640
tgggtggaggg	ggcccgcgaag	ctgcccagcg	tcttcctgtt	caccgagctg	cttctctgca	2700
ccaagctcaa	gaagcagagc	ggaggcaaaa	cgcagcagta	tgactgcaaa	tggtacattc	2760
cgctcacgga	tctcagcttc	cagatgggtg	atgaactgga	ggcagtggcc	aacatcccc	2820
tgggtgcccga	tgaggagctg	gacgctttga	agatcaagat	ctcccagatc	aagagtgaca	2880
tccagagaga	gaagagggcg	aacaagggca	gcaaggctac	ggagaggctg	aagaagaagc	2940
tgtcggagca	ggagtcactg	ctgctgctta	tgtctcccag	catggccttc	aggggtgcaca	3000
gccgcaacgg	caagagttac	acgttcctga	tctcctctga	ctatgagcgt	gcagagtggg	3060
gggagaacat	ccgggagcag	cagaagaagt	gtttcagaag	cttctccctg	acatccgtgg	3120
agctgcagat	gctgaccaac	tctgtgtgtg	aactccagac	tgtccacagc	attccgctga	3180
ccatcaataa	ggaagatgat	gagtcctccg	ggctctatgg	gtttctgaat	gtcatcgctc	3240
actcagccac	tggatttaag	cagagttcaa	atctgtactg	caccctggag	gtggattcct	3300
ttgggtatatt	tgtgaataaa	gcaaagacgc	gcgtctacag	ggacacagct	gagccaaact	3360
ggaacgagga	atttgagata	gagctggagg	gctcccagac	cctgaggata	ctgtgctatg	3420
aaaagtgtta	caacaagacg	aagatcccca	aggaggacgg	cgagagcacg	gacagactca	3480
tgggggaaggg	ccaggtccag	ctggaccgcg	aggccctgca	ggacagagac	tggcagcgca	3540
ccgtcatcgc	catgaatggg	atcgaagtaa	agctctcggt	caagttcaac	agcagggagt	3600
tcagcttgaa	gaggatgccg	tcccgaaaa	agacaggggt	cttcggagtc	aagattgctg	3660
tggtcaccaa	gagagagagg	tccaaggtgc	cctacatcgt	gcgccagtgc	gtggaggaga	3720
tcgagcgccg	aggcatggag	gaggtgggca	tctaccgcgt	gtccgggtgtg	gccacggaca	3780
tccaggcact	gaaggcagcc	ttcgacgtca	ataacaagga	tgtgtcggtg	atgatgagcg	3840
agatggacgt	gaacgccatc	gcaggcacgc	tgaagctgta	cttcctgtag	ctgcccagagc	3900
ccctcttcac	tgacgagttc	taccccaact	tcgcagaggg	catcgctctt	tcagaccctgg	3960
ttgcaaagga	gagctgcatg	ctcaacctgc	tgtgttccct	gccggaggcc	aacctgctca	4020
ccttcctttt	ccttctggac	cacctgaaaa	gggtggcaga	gaaggaggca	gtcaataaga	4080
tgtccctgca	caacctcgcc	acggtctttg	gccccacgct	gctccggccc	tccgagaagg	4140
agagcaagct	ccctgccaac	cccagccagc	ctatcaccat	gactgacagc	tggtccttgg	4200
aggatcatgtc	ccaggtccag	gtgctgctgt	acttcctgca	gctggaggcc	atccctgccc	4260
cggacagcaa	gagacagagc	atcctgttct	ccaccgaagt	ctaaagggtc	cagtccatct	4320
cctggaggca	gacagatggc	ctggaaacct	ctggctaata	gggccatccg	tagagcggga	4380
accttcctga	ggtgtccttg	ggccaccccc	aagtgttggg	ccatctgcca	agagacagcg	4440
acccaaagcc	gaaggacagg	tggcctgggc	agatctcgcc	caggtctggg	agccccaggc	4500
tggcctcaga	ctgtggtttt	ttatgtggcc	acccgagggc	gccccaaagc	agttcatctc	4560
agagtccagg	cctgaccctg	ggagacaggg	tgaagggagt	gatttttatg	aacttaactt	4620
agagtctaaa	agatttctac	tggatcactt	gtcaagatgc	gccctctctg	gggagaaggg	4680
aacgtgaccg	gattccctca	ctgttgtatc	ttgaataaac	gctgctgctt	catcctgtg	4739

<210> 587  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 587	atccctgact	cggggtcgcc	tttggagcag	agaggaggca	atggccacca	tgagagaacaa	60
	ggtgatctgc	gccctggtcc	tgggtgtccat	gctggccctc	ggcaccctgg	ccgaggccca	120
	gacagagacg	tgtacagtgg	ccccccgtga	aagacagaat	tgtggttttc	ctgggtgtcac	180
	gccctcccag	tgtgcaaata	agggctgctg	tttcgacgac	accgttcgtg	gggtccctg	240

gtgcttctat	cctaatacca	tcgacgtccc	tccagaagag	gagtgtgaat	tttagacact	300
tctgcaggga	tctgacctga	tcttgacgcg	gtgccgtccc	cagcacgggtg	attagtccca	360
gagctcggct	gccacctcca	ccggacacct	cagacacgct	tctgcagctg	tgacctcggct	420
cacaacacag	attgactgct	ctgactttga	ctactcaaaa	ttggcctaaa	aattaaaaga	480
gatcgatatt						490

<210> 588  
 <211> 2161  
 <212> DNA  
 <213> Homo sapiens

<400> 588	gggcgatcct	gccggagccc	cgccgccgcc	ggcttggatt	ctgaaacctt	ccttgtatcc	60
	ctcctgagac	atctttgctg	caagatcgag	gctgtcctct	ggtgagaagg	tggtagggct	120
	tcccgtcata	ttccagctct	gaacagcaac	atgggggtgca	aagtcctgct	caacattggg	180
	cagcagatgc	tgccggcgaa	ggtggtggac	tgtagcccgg	aggagacgcg	gctgtctcgc	240
	tgacctgaaca	cttttgatct	ggtggccctc	gggggtggga	gcacactggg	tgctgggtgc	300
	tacgtcctgg	ctggagctgt	ggcccgtgag	aatgcaggcc	ctgccattgt	catctccttc	360
	ctgatecgctg	cgctggcctc	agtgtctggc	ggcctgtgct	atggcgagtt	tgggtgctcg	420
	gtccccaaga	cgggctcagc	ttacctctac	agctatgtca	ccgttggaga	gctctgggcc	480
	ttcatcaccg	gctggaactt	aatcctctcc	tacatcatcg	gtacttcaag	cgtagcgagg	540
	gcctggagcg	ccaccttcga	cgagctgata	ggcagaccca	tcggggagtt	ctcacggaca	600
	cacatgactc	tgaacgcccc	cggcgtgctg	gctgaaaacc	ccgacatatt	cgcagtgatc	660
	ataattctca	tcttgacagg	acttttaact	cttgggtgtga	aagagtcggc	catggtcaac	720
	aaaatattca	cttgtattaa	cgtcctggtc	ctgggcttca	taatgggtgc	aggatttgtg	780
	aaaggatcgg	ttaaaaactg	gcagctcacg	gaggaggatt	ttgggaacac	atcaggccgt	840
	ctctgtttga	acaatgacac	aaaagaaggg	aagcccgggtg	ttgggtggatt	catgcccttc	900
	gggttctctg	gtgtcctgtc	gggggcagcg	acttgcttct	atgccttcgt	gggctttgac	960
	tgcatcgcca	ccacagggtga	agagggtgaag	aaccacaga	aggccatccc	cgtggggatc	1020
	gtggcgccc	tcttgatctg	cttcatcgcc	tactttgggg	tgtcggctgc	cctcacgctc	1080
	atgatgccct	acttctgcct	ggacaataac	agccccctgc	ccgacgcctt	taagcacgtg	1140
	ggctgggaag	gtgccaahta	cgcagtgccc	gtgggctccc	tctgtgctct	ttccgccagt	1200
	cttctagggt	ccatgtttcc	catgcctcgg	gttatctatg	ccatggctga	ggatggactg	1260
	ctatttaaat	tcttagccaa	cgtcaatgat	aggacaaaa	caccaataat	cgccacatta	1320
	gcctcgggtg	ccgttgctgc	tgtgatggcc	ttcctctttg	acctgaagga	cttgggtggac	1380
	ctcatgtcca	ttggcactct	cctggcttac	tcgttgggtg	ctgcctgtgt	gttggcttta	1440
	cggtaccagc	cagagcagcc	taacctggta	taccagatgg	ccagtacttc	cgacgagtta	1500
	gatccagcag	acaaaaatga	attggcaagc	accaatgatt	cccagctggg	gtttttacca	1560
	gaggcagaga	tgttctcttt	gaaaaccata	ctctcaccca	aaaacatgga	gccttcctaaa	1620
	atctctgggc	taattgtgaa	catttcaacc	agccttatag	ctgttctcat	catcaccttc	1680
	tgcattgtga	ccgtgcttgg	aagggaggct	ctcaccaaag	gggcgctgtg	ggcagtcctt	1740
	ctgctcgag	ggtctgccct	cctctgtgcc	gtggtcacgg	gcgtcatctg	gaggcagccc	1800
	gagagcaaga	ccaagctctc	atttaagggt	cccttctctg	cagtgtccc	catcctgagc	1860
	atcttcgtga	acgtctatct	catgatgcag	ctggaccagg	gcacctgggt	ccggtttgct	1920
	gtgtggatgc	tgataggctt	catcatctac	tttggctatg	gcctgtggca	cagcgaggag	1980
	gcgtccctgg	atgccgacca	agcaaggact	cctgacggca	acttgacca	gtgcaagtga	2040
	cgcacagccc	cgcccccg	aggtggcagc	agccccgagg	gacgccccca	gaggaccggg	2100
	aggcacccca	ccctccccac	cagtgaaca	gaaaccacct	gcgtccacac	cctcactgca	2160
	g						2161

<210> 589  
 <211> 2824



ggcatatgct ggcccataaa caccctgtag gttcttgata tttataataa aattgggtgtt 2820  
ttgt 2824

<210> 590  
<211> 2545  
<212> DNA  
<213> Homo sapiens

<400> 590  
atccaataca ggagtgactt ggaactccat tctatcacta tgaagaaaag tgggtgttctt 60  
ttcctcttgg gcatcatctt gctggttctg attggagtg c aaggaacccc agtagtgaga 120  
aagggtcgct gttcctgcat cagcaccaac caagggacta tccacctaca atccttgaaa 180  
gaccttaaac aatttgcccc aagcccttcc tgcgagaaaa ttgaaatcat tgctacactg 240  
aagaatggag ttcaaacatg tctaaaccca gattcagcag atgtgaagga actgattaaa 300  
aagtgggaga aacaggtcag ccaaaagaaa aagcaaaaga atgggaaaaa acatcaaaaa 360  
aagaaagttc tgaaagttcg aaaatctcaa cgttctcgtc aaaagaagac tacataagag 420  
accacttcac caataagtat tctgtgttaa aaatgttcta ttttaattat accgctatca 480  
ttccaaagga ggatggcata taatacaaaag gcttattaat ttgactagaa aattttaaac 540  
attactctga aattgtaact aaagttagaa agttgatttt aagaatccaa acgttaagaa 600  
ttgttaaagg ctatgattgt ctttgttctt ctaccacca ccagttgaat ttcacatgc 660  
ttaaggccat gatttttagca ataccatgt ctacacagat gttcacccaa ccacatccca 720  
ctcacaacag ctgcctggaa gagcagccct aggcttcac gtactgcagc ctccagagag 780  
tatctgaggc acatgtcagc aagtcctaag cctgttagca tgctggtgag ccaagcagtt 840  
tgaaattgag ctggacctca ccaagctgct gtggccatca acctctgtat ttgaatcagc 900  
ctacaggcct cacacacaat gtgtctgaga gattcatgct gattgttatt gggtatcacc 960  
actggagatc accagtgtgt ggctttcaga gcctcctttc tggctttgga agccatgtga 1020  
ttccatcttg cccgtcagg ctgaccactt tatttctttt tggtccctt tgcttcattc 1080  
aagtcagctc ttctccatcc taccacaatg cagtgccttt cttctctcca gtgcacctgt 1140  
catatgctct gatttatctg agtcaactcc tttctcatct tgtccccaac accccacaga 1200  
agtgccttct tctcccaatt catcctcact cagtccagct tagttcaagt cctgcctctt 1260  
aaataaacct ttttgacac acaaattatc ttaaaactcc tgtttcactt ggttcagtac 1320  
cacatgggtg aacactcaat ggttaactaa ttcttgggtg tttatcctat ctctccaacc 1380  
agattgtcag ctccctgagg gcaagagcca cagtatattt ccctgtttct tccacagtgc 1440  
ctaataatac tgtggaacta ggttttaata attttttaat tgatgttggt atgggcagga 1500  
tggaaccag accattgtct cagagcaggt gctggctctt tccctggctac tccatgttg 1560  
ctagcctctg gtaacctctt acttattatc ttcaggacac tcaactacagg gaccagggat 1620  
gatgcaacat ccttgtcttt ttatgacagg atgtttgctc agcttctcca acaataagaa 1680  
gcacgtggta aaacacttgc ggatattctg gactgttttt aaaaaatata cagtttaccg 1740  
aaaatcatat aatcttacia tgaaaaggac tttatagatc agccagtgc caaccttttc 1800  
ccaaccatac aaaaattcct tttcccgaag gaaaagggtt ttctcaataa gcctcagctt 1860  
tctaagatct aacaagatag ccaccgagat ccttatcgaa actcatttta ggcaaatatg 1920  
agttttattg tccgtttact tgtttcagag tttgtattgt gattatcaat taccacacca 1980  
tctcccatga agaaaggga cggatgaagta ctaagcgcta gaggaagcag ccaagtcggt 2040  
tagtggaagc atgattgggtg ccagtttagc ctctgcagga tgtggaaacc tccctccagg 2100  
ggaggttcag tgaattgtgt aggagaggtt gtctgtggcc agaattttaa cctataactca 2160  
ctttcccaa ttgaatcact gctcacactg ctgatgattt agagtgtgtt ccggtggaga 2220  
tcccaccga acgtcttctc taatcatgaa actccctagt tccctcatgt aacttccctg 2280  
aaaaatctaa gtgtttcata aatttgagag tctgtgacct acttaccttg catctcacag 2340  
gtagacagta tataactaac aaccaaagac tacatattgt cactgacaca cacgttataa 2400  
tcatttatca tatatatata tacatgcata cactctcaaa gcaaataatt tttcacttca 2460  
aaacagtatt gacttgtata ccttgtaatt tgaaatattt tctttgttaa aatagaatgg 2520

tatcaataaa tagaccatta atcag

2545

<210> 591  
<211> 2930  
<212> DNA  
<213> Homo sapiens

<400> 591  
gaattccggt ttcttcctaa aaaatgtctg atggccgctt tctcggtcgg caccgccatg 60  
aatgccagca gttactctgc agagatgacg gagcccaagt cgggtgtgtg ctcggtggtat 120  
gaggtggtgt ccagcaacat ggaggccact gagacggacc tgctgaatgg acatctgaaa 180  
aaagtagata ataacctcac ggaagcccag cgcttctcct ccttgccctg gagggcagct 240  
gtgaacattg aattcagggg cctttcctat tcggttcctg aaggaccctg gtggaggaag 300  
aaaggataca agaccctcct gaaaggaatt tccgggaagt tcaatagtgg tgagttggtg 360  
gccattatgg gtcttcccg ggccgggaag tccacgctga tgaacatcct ggctggatac 420  
agggagacgg gcatgaaggg ggccgtcctc atcaacggcc tgccccggga cctgcgctgc 480  
ttccggaagg tgtcctgcta catcatgcag gatgacatgc tgctgccgca tctcactgtg 540  
caggaggcca tgatggtgtc ggcacatctg aagcttcagg agaaggatga aggcagaagg 600  
gaaatggtca aggagatact gacagcgctg ggcttgctgt cttgcgccaa cagcgggacc 660  
gggagcctgt cagggtgtca gcgcaagcgc ctggccatcg cgctggagct ggtgaacaac 720  
cctccagtca tgttcttcga tgagcccacc agcggcctgg acagcgctc ctgcttcag 780  
gtggtctcgc tgatgaaagg gctcgtcaa gggggtcgt ccatcatttg caccatccac 840  
cagcccagcg ccaaactctt cgagctgttc gaccagcttt acgtcctgag tcaaggacaa 900  
tgtgtgtacc ggggaaaagt ctgcaatctt gtgccatatt tgagggattt gggctctgaac 960  
tgcccaacct accacaacct agcagatttt gtcatggagg ttgcatccgg cgagtacggt 1020  
gatcagaaca gtcggctggt gagagcgggt cgggagggca tgtgtgactc agaccacaag 1080  
agagacctcg ggggtgatgc cgaggtgaac ctttttctt ggccaccgcc ctctgaagag 1140  
gtaaagcaga caaacgatt aaaggggttg agaaaggact cctcgtccat ggaaggctgc 1200  
cacagcttct ctgccagctg cctcacgcag ttctgcatcc tcttcaagag gaccttcctc 1260  
agcatcatga gggactcggg cctgacacac ctgcgcacat cctcgcacat tgggatcggc 1320  
ctcctcattg gctgctgta cttgggggatc gggaacgaaa ccaagaaggc cttgagcaac 1380  
tccggcttcc tcttcttctc catgctgttc ctcatgttcg cgccctcat gcctactgtt 1440  
ctgacatttc ccctggagat gggagtcttt cttcgggaac acctgaacta ctggtacagc 1500  
ctgaaggcct actacctggc caagaccatg gcagacgtgc cctttcagat catgttccca 1560  
gtggcctact gcagcatcgt gtactggatg acgtcgcagc cgtccgacgc cgtgcgtttt 1620  
gtgctgtttg ccgcgctggg caccatgacc tccctggtgg cacagtcctt gggcctgctg 1680  
atcggagccg cctccacgtc cctgcagggt gccactttcg tgggcccagt gacagccatc 1740  
ccggtgctcc tgttctcggg gttcttcgtc agcttcgaca ccatcccccac gtacctacag 1800  
tggtgtcct acatctccta tgtcaggtat ggggttcgaag gggcatcct ctccatctat 1860  
ggcttagacc gggaagatct gcactgtgac atcgacgaga cgtgccactt ccagaagtgc 1920  
gaggccatcc tgccgggagct ggacgtggaa aatgccaaagc tgtacctgga cttcatcgta 1980  
ctcgggattt tcttcatctc cctccgcctc attgcctatt tggctcctcag gtacaaaatc 2040  
cgggcagaga ggtaaaacac ctgaatgcca ggaaacagga agattagaca ctgtggccga 2100  
gggcacgtct agaatcgagg aggcaagcct gtgcccagacc gacgacacag agactcttct 2160  
gatccaacct ctagaaccgc gttgggtttg tgggtgtctc gtgctcagcc actctgccca 2220  
gctgggttg atcttctctc cattccccct tctagcttta actaggaaga tgtaggcaga 2280  
ttggtggttt tttttttttt ttttaacatac agaattttta ataccacaac tggggcagaa 2340  
tttaagctg caacacagct ggtgatgaga ggcttctca gtccagtcgc tcttagcac 2400  
caggcaccgt gggctcctgga tggggaactg caagcagcct ctgagctgat ggctgcacag 2460  
tcagatgtct ggtggcagag agtccgagca tggagcgatt ccattttatg actgttgttt 2520  
ttcacatttt catctttcta aggtgtgtct cttttccaat gagaagtcac ttttgcaagc 2580

0904531-091001

caaaagtcga	tcaatcgcat	tcattttaag	aaattatacc	tttttagtac	ttgctgaaga	2640
atgattcagg	gtaaatcaca	tactttgttt	agagaggcga	ggggtttaac	ccgagtcacc	2700
cagctggtct	catacataga	cagcacttgt	gaaggattga	atgcagggtc	caggtggagg	2760
gaagacgtgg	acaccatctc	cactgagcca	tgcagacatt	tttaaaagct	atacacaaaa	2820
ttgtgagaag	acattggcca	actctttcaa	agtctttctt	ttccacgtg	cttcttattt	2880
taagcgaaat	atattgtttg	tttcttcta	aaaaaaaaa	aaaaaaaaa		2930

<210> 592  
 <211> 1378  
 <212> DNA  
 <213> Homo sapiens

<400> 592	ggtagcagca	tccaccgggc	gggaggctcg	aggcagcaag	gccttaaagg	ctactgagt	60
	cgccggccgt	tccgtgtcca	gaacctcccc	tactctccg	ccttctcttc	cttggccgcc	120
	caccgccaag	ttccgactcc	ggttttcgcc	tttgcaaagc	ctaaggagga	ggttagggaac	180
	agccgcgccc	ccctccctgc	ggccgcgcgc	ccctgcctct	cggtctctgt	ccctgcgcgc	240
	tgcgcctggg	ccgtgcgccc	cggcaggcgc	cagccatgtc	gatgctgccg	tcgtttggct	300
	ttacgcagga	gcaagtggcg	tgcgtgtgcg	aggttctgca	gcaaggcgga	aacctggagc	360
	gcctgggcag	gttctctgtg	tactgcccc	cctgcgacca	cctgcacaag	aacgagagcg	420
	tactcaaggc	caaggcgggt	gtcgccttcc	accgcggcaa	cttccgtgag	ctctacaaga	480
	tcctggagag	ccaccagttc	tcgcctcaca	accaccccaa	actgcagcaa	ctgtggctga	540
	aggcgcatta	cgtggaggcc	gagaagctgc	gcggccgacc	cctggggcgc	gtgggcaaat	600
	atcggtgtcg	ccgaaaattt	ccactgccgc	gcaccatctg	ggacggcgag	gagaccagct	660
	actgcttcaa	ggagaagtgc	aggggtgtcc	tgcgggagtg	gtacgcgcac	aatccctacc	720
	catcgccgcg	tgagaagcgg	gagctggccg	aggccaccgg	cctcaccacc	accagggtca	780
	gcaactggtt	taagaaccgg	aggcaaagag	accgggccgc	ggaggccaag	gaaagggaga	840
	acaccgaaaa	caataactcc	tcctccaaca	agcagaacca	actctctcct	ctggaagggg	900
	gcaagccgct	catgtccagc	tcagaagagg	aattctcacc	tccccaagt	ccagaccaga	960
	actcggtcct	tctgctgcag	ggcaatatgg	gccacgccag	gagctcaaac	tattctctcc	1020
	cgggcttaac	agcctcgag	cccagtcacg	gcctgcagac	ccaccagcat	cagctccaag	1080
	actctctgct	cggcccccct	acctccagtc	tgggtgactt	ggggtcctaa	gtggggaggg	1140
	actggggcct	cgaagggatt	cctggagcag	caaccactgc	agcgactagg	gacacttgta	1200
	aatagaaatc	aggaacattt	ttgcagcttg	tttctggagt	tgtttgcgca	taaaggaatg	1260
	gtggactttc	acaaatatct	ttttaaaaat	caaaaccaac	agcgatctca	agcttaatct	1320
	cctcttctct	ccaactcttt	ccacttttgc	attttccttc	ccaatgcaga	gatcaggg	1378

<210> 593  
 <211> 2457  
 <212> DNA  
 <213> Homo sapiens

<400> 593	cgctgttgcc	tccgccacct	cctccgcgcg	cgcgcgcccc	tcggagttcc	gcgccccacc	60
	atgcccaaca	tcgtgctggt	cagcggcagc	tcgcatcagg	acctatccca	gcgcgtggcc	120
	gaccgcctgg	gcctggagct	gggcaagggt	gtcacgaaga	agttcagcaa	ccaggagacc	180
	agcgtggaga	ttgggtgaaag	cgtgagaggg	gaagatgtct	acatcatcca	gagcggctgc	240
	ggggaaatta	acgacaacct	gatggaactc	ctcatcatga	tcaatgcctg	caagattgcg	300
	tcacatcatca	gagtaactgc	cgtgatcccc	tgtttcccat	acgcccgcga	agataaaaaag	360
	gacaagagtc	gtgcccctaa	ttctgcaaaa	cttgtggcca	atatgctgtc	ggtggctggg	420
	gcggatcaca	tcacacccat	ggacctgcat	gcttctcaga	tacagggatt	ctttgatatt	480
	cctgtggata	atttgatgct	ggagcccgcg	gtcctgcagt	ggattcgagg	aaacattgcc	540
	gagtgaaga	actgtatcat	tgtttcacct	gacgcagggg	gagccaaaag	ggttacatca	600
	attgcagaca	ggttgaatgt	ggaatttgct	ttgatccaca	aagagaggaa	gaaggcgaat	660







<212> DNA  
<213> Homo sapiens

<400> 597  
ggcgggcctt gggaaccgtc tcctggttgt ggggtggggg ggaaagatgg cggagctgat 60  
gctgctcagc gagattgctg acccgacgcg tttcttcacc gacaacctgc ttagcccgga 120  
ggactgggac agcaccttgt attctggcct agatgaagtg gccgaggagc agacgcagct 180  
cttccgttgc ccggagcagg atgtcccgtt tgacggcagc tccctggacg tggggatgga 240  
tgtcagcccc tctgagcccc catgggaact cctgccgac tcccagatc ttcaggtgaa 300  
gtctgagcca tcttccccct gctcttctc ctcctcagc tccgagtcac cgcgtctctc 360  
cacagagcca tccagcgagg ctcttggggg aggggaggtg ctccatgtga agacagagtc 420  
cttggcacc cactgtgtc tcctgggaga tgaccaaca tctcatttg aaaccgtcca 480  
gatcaacgtt atccccacct ctgatgattc ctcatgtgc cagaccaaga tagaacctgt 540  
ctctccatgt tcttccgtca actctgaggc ctccctgtc tcagccgact cctccagcca 600  
ggcttttata ggagaggagg tcctggaagt gaagacagag tccctgtccc cttcaggatg 660  
cctcctgtgg gatgtcccag cccctcact tggagctgtc cagatcagca tgggcccatc 720  
ccttgatggc tcctcaggca aagccctgcc caccgggaag ccgccactgc agcccaaacc 780  
tgtagtcta accactgtcc caatgccatc cagagctgtg cctcccagca ccacagtcct 840  
tctgcagtcc ctgtccagc caccctcagt gtcccagtt gtctcatcc aggggtctat 900  
tcgagtccag cctgaagggc cggtccctc tctaccacgg cctgagagga agagcatcgt 960  
tcccgtcct atgcctggaa actcctgcc gcctgaagtg gatgcaaagc tgctgaagcg 1020  
gcagcagcga atgatcaaga accgggagtc agcctgccag tcccggagaa agaagaaaga 1080  
gtatctgcag ggactggagg ctcggtgca agcagtactg gctgacaacc agcagctccg 1140  
ccgagagaat gctgccctcc ggcggcggct ggaggccctg ctggctgaaa acagcgagct 1200  
caagttaggg tctggaagaa ggaaggtggt ctgcatcatg gtcttctctc tcttcattgc 1260  
cttcaacttt ggacctgtca gcatcagtga gcctccttca gctcccatct ctctcggat 1320  
gaacaagggg gagcctcaac cccggagaca cttgctgggg ttctcagagc aagagccagt 1380  
tcagggagtt gaacctctcc aggggtcctc ccagggccct aaggagcccc agcccagccc 1440  
cacagaccag cccagtttca gcaacctgac agccttccct gggggcgcca aggagctact 1500  
actaagagac ctgaccagc tcttctctc ctctgattgc cggcacttca accgactga 1560  
gtccctgagg ctgctgacg agttgagtgg ctgggtccag cgccaccaga gaggccggag 1620  
gaagatccct cagaggggcc aggagagaca gaagtctcag ccacggaaga agtcacctcc 1680  
agttaaggca gtccccatcc aacccctgg accccagaa agggattctg tgggccagct 1740  
gcaactatat cgccaccag accgttcgca gccagcattc ttggatgcaa ttgaccgacg 1800  
ggaagacaca ttttatgttg tctctttccg aaggggccac ctgctgctcc cagccatcag 1860  
ccacaacaag acctcccggc ccaagatgtc cctggtgatg cctgccatgg ccccaatga 1920  
gaccctgtca ggccgtgggg ccccggggga ctatgaggag atgatgcaga tctagtgtga 1980  
ggtcatggac accaggtgta ttcacatcaa gacctccaca gtgccccct cgtccgaaa 2040  
acagccatcc ccaacccag gcaatgccac aggtggcccc ttgccagtct ctgcagccag 2100  
ccaggcccac caggcctccc accagcccct ctacctaat catccctgac ctctgccatt 2160  
cacactgact tagaacgggg ggagggggtta ccagggtggc aggtgggact gtttcaaatt 2220  
tcctgatcc ccaggcttgg ggcaattggg aaaggaaaga gcaggtgtgg gggttaagca 2280  
cttattttgag gtgggggtgt tcacctctct tctcatccct ttatcagaat atagggtcc 2340  
tctcattcct gtgaaccccc agtcctggct tctttgtttg aggggattgt gtgaggttca 2400  
gttggtgggg ggggtggtgag ctgctgcata ttttttattg tgtttctcta gtgttatggc 2460  
agtggaggtg ggaatttagt cccaggtgg gacaaggaa gttttttcat tttggagcta 2520  
gttactggga gtaaggagg gtgggggtgg ggggagttca ggtttatgtg tgtgcatttc 2580  
ttttttatta ttactaaata aacaacttgg agggagttga 2620

<210> 598  
<211> 455

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 598  
acaccatgag cttcaatacc ctgtagagat acttcattct tctatttggt ttatttagaa 60  
atcacctatt ctgactgatc ttttaagaatg aatgctataa agagctacca aattttcttt 120  
caaattcata aaactgttca cacttttttg aaacaggagt taatgccgag aatccatcag 180  
aagtatctac tgtttagaag gaaatggagc agcaccaaag gggcttaatt cgactgggtg 240  
ggactgttgg gactgatgtg gagtgatgct ttgcaccaca agttctataa agggcacggc 300  
acaaaaatca tccattttca atacatctgc actatggaat gacccatgta gtgaattttg 360  
tcttggcccg ccctggcagg accagtattg tgatcagcac ggatgtcgct ncaggccctg 420  
atgggtggagg gtgccatgac aggggtctgga gaatg 455

<210> 599  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 599  
aagaagtggc ccctctgcaa catgtcctca cagaaacgaa atgggtgtgta gcaatcaaca 60  
ctagaaagta gaccttttgc aaattaatat gtccttgacc ttttttgccc ttttgtgggg 120  
gtgaggtggg gataaaaaga ctgtcatatc aagaactgtg acttttcttt ccctcaaaca 180  
atanaactcc tttattatct taatgctccc atgttaacat gtttgctgct aaattacaat 240  
gtagaattga taatggttta tagtgaactg tgctcttccc tcattaaaat cccagggtgc 300  
cctggtaaag atgcagatgt ttcttctctga aaacttcttt ttttaciaag aaaattagat 360  
gtacatgtat aattcagtgt gctttgtctt tctccagatt aatatcggtt acactgctga 420  
tgtttgtana ttanacagat atttactt 448

<210> 600  
<211> 567  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 600  
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60  
ctggcctgga acctgcccc gggacccttc agccccgctc cgcaccttct cggagatggc 120  
ttctgagccc tggagctgga gccagcagt tggaggtggt gcacctgcca ggcagcgcca 180  
cagaaccagc cctgtcctct cgacttctct ccttagcttc atgtgaaata aaagctattc 240  
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300  
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acaccccan 360  
tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccctct 420  
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cgggggttcag 480  
gaccancaga atgttttagtg aatctgnatg aatgagacct caggatttat gtgtccatta 540  
agtgggttgtt gtgntttaaa aaaaaaa 567

<210> 601  
<211> 283  
<212> DNA  
<213> Homo sapiens

<400> 601  
cccagtactg gtagacggag aagagcacgt cggttttcct taagacagat gggagttttg 60  
tggttcatga tataccttct ggatcttatg tagtggaagt tgtatctcca gcttacagat 120

ttgatccgtt	cgagtggata	tcacttcgaa	aggaaaatga	gagcagatat	gtgaattaca	180
tcaaacatca	gaggttgtca	gactgcccta	tcctctcaaa	tgaatcttca	ggtcacctct	240
tacttattaa	agggaaatcgt	gggctgacag	cttctatgac	cga		283

<210> 602  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 602						
gttcagtgtc	catacgtatc	tgctcatttt	gacaaagtgc	ctcatgcaac	cgggccctct	60
ctctgctggc	gagtccttag	tggaggggtt	tacctggaac	attagtagtt	accacagaat	120
acggaagagc	aggtgactgt	gctgtgcagc	tctctaaatg	ggagttctca	ggtaggaggc	180
aacaccttca	gaaagagctc	aaaataaatt	ggaaatgtga	atcgagctg	tgggtgtgac	240
caccgctgt	gtagagtccc	agg				263

<210> 603  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 603						
gagcagcttg	ttgagacctg	tcgattgtta	cgacacatat	ctgggacaga	aacctctgga	60
aataacctcc	tatacatgca	gaggagacat	tttcaggtga	ctggccaaca	gataatttct	120
gctgctgaaa	cattgacatt	gcatccatct	agtaaaattg	ctaaagaaaa	cctagatgta	180
ttttgtgaag	cttgggaatc	ccaaattagt	gacatgtcaa	cactgctgag	agaaatcaat	240
gacgtgtttg	aaggaagacg	aggagagaag	tatggcacct	tcacttccaa	gcaattagga	300
tatgcaac						308

<210> 604  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 604						
cctcggttgg	cacggtgcgt	cttgattaat	tagttactct	gactctggtc	tgccgagatc	60
catttccaac	ccagttgcgt	tgggagaggg	ttgggaggca	gcagagcatg	ggtgacagtg	120
ggagcacacg	acttccttgg	agcctggggc	tttgcgggtc	ccaggtggtc	aggcagctgg	180
ag						182

<210> 605  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 605						
cagaactcag	actaaccttg	tggtttcaac	gcgcactctg	ctctgtectg	aaatctggaa	60
ctcattacct	catcaccaag	aaactgcacg	aaatctctcc	cccaccgccc	caacaccac	120
tcgggaaagg	aacgagcaaa	catcctctta	agaaagaaac	ctacacttga	atgatttaaa	180
ttaagggtgga	tggaagttaa	ttccctttct	ggcgcttgca	gatttcaaga	aaagctgaaa	240
aatgggagcg	ggggagggaa	gcaacagacg	gctggagggc	agcagcagaa	caagcgaggg	300
gcagcaccga	gttaaagtgg	gggccatcca	tttcgggcag	aggagacaaa	tgaaagccga	360
ccccgctggg	atcacgtagg	ttcgtggctg	cagcaaaagt	tgggtttcac	aaagttgaaa	420
aacagccggt	ttctcaaaca	attgtgattt				450

<210> 606  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 606						
cgaaggtttc	cggctgccct	tgctgctggg	tggagtggag	agggagactt	ctttttgttg	60
gttttaattt	aaaaacacaa	aggcctaaag	aaatacgtat	cttataattt	ttttaatttt	120
tgagacgttc	atttaatgaa	ttgtgcacga	atgaattcta	tatatataaa	atatacatat	180
atagctctat	atttggggag	gggcactgtc	tcttttttct	ctcattttta	aaatgaagtg	240

ttgttgccctt tgtatgtggt tcaaccatc 269

<210> 607  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 607  
cttcattggc ccagcttggc gaaagcnagg cacactgctt actgccttgg ggttgtggag 60  
atggaccctg gacctcgtgg aggcctgtgt ggggcagcag cctggcctgt gccatggtgg 120  
gtgtccttgg gcctgtgcgg agggagccac ctcaccctgc agcccagttt gcaggtgtgg 180  
ccttgtttct ccttgcccag cagtgtgtgc ttccagcggc gtgacggggc cagctggaca 240  
cacggtgaga tttntcgtg tgtaataaaa aggnattttg gt 282

<210> 608  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 608  
caaacctggc gtctatacca acatctgccg ctacctggac tggatcaaga agatcatagg 60  
cagcaagggc tgattctagg ataagcacta gatctccctt aataaactca caactctctg 120  
aaaaaaaaaa aaaaaaaaaa cc 142

<210> 609  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 609  
gcaagtgtgg accccaggtg gcctcttggg gatgaccgtt gcgttgagga caaatgggga 60  
ctttgccacc ggatgcttgt nntngcacat ttccagggggg tcaggagagt taaggaggtt 120  
gtgggtggga ttccaagggt aggcccaact gaatcgtggg gtgagcttta tagccagtag 180  
aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc 240  
acatttgga aagtgatcaac cactgttctt tctatggggc tcttgctcta gtgtctatgg 300  
tgagaacaca ggccccgccg ctcccttgtg agagccatag aaatattc 348

<210> 610  
<211> 567  
<212> DNA  
<213> Homo sapiens

<400> 610  
caatttttcta tcacactggg ctccatgata ttctgttccc taagaactgc ttctgtgtgc 60  
cctgttttca tccaagatt tctcacttca tctctccta cctggctctt ttgtcccagg 120  
gaggggtcct gttcggaagc agtggctgaa tttatccctt gaaagtgggt ttggagggaac 180  
cgggatggag gaggccttcc cctgtgggaa tagaatcgtc cactcctagc cctggttgct 240  
tctgatacac agccactgca cacacacact cacactcaca ctcccttgtc tgatgccccca 300  
aagccaattc ctggggcacc ctaccctctc gttatttggg gtttccgttg gtttacctga 360  
gttttctctg ggttctgcac agaggcagca gcatggacat catggcctct caggtccctt 420  
ttggttctca gtttcattgg ttctcttctc tgttccccca ttgacttctg tgccccaccc 480  
tagccttttc cataacctta ggtattcagt ttggaggggt tttttgtatt tttgaggatt 540  
cctgtattct gtatcctctc ctcccat 567

<210> 611  
<211> 532  
<212> DNA  
<213> Homo sapiens

```

<400> 611
aacaacatga tatgtgctgg actggaccgg ggccaggacc cttgccagag tgactctgga      60
ggccccctgg tctgtgacga gacctccaa ggcatectct cgtgggggtgt ttaccctctgt    120
ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata      180
aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc      240
tgctgatcca gatgccaga ggctccatcg tccatcctct tcctccccag tcggctgaac      300
tctcccttg tctgcactgt tcaaacctct gccgccctcc acacctctaa acatctcccc      360
tctcacctca ttccccacc tatccccatt ctctgcctgt actgaagctg aaatgcagga      420
agtggtgcca aaggtttatt ccagagaagc caggaagccg gtcacaccc agcctctgag      480
agcagttact ggggtcacca acctgacttc ctctgccact cctgctgtg tg                532

```

```

<210> 612
<211> 1522
<212> DNA
<213> Homo sapiens

```

```

<400> 612
cgcgggggag aagcgggagc gggagcggga gcgagctggc ggcgccgtcg ggcgccgggc      60
cgggccatgg agctgtggcc gtgtctggcc gcggcgctgc tgttgctgct gctgctggtg    120
cagctgagcc gcgcggccga gttctacgcc aaggtcgccc tgtactgcgc gctgtgcttc      180
acgggtgtccg ccgtggcctc gctcgtctgc ctgctgcgcc acggcgggcg gacgggtggag      240
aacatgagca tcatcggtcg gttcgtgcga agcttcaagt acttttacgg gctccgcttc      300
gaggtgcggg acccgcgagc gctgcaggag gcccgctcct gtgtcatcgt ctccaaccac      360
cagagcatcc tggacatgat gggcctcatg gaggtccttc cggagcgctg cgtgcagatc      420
gccaagcggg agctgctctt cctggggccc gtgggcctca tcatgtacct cggggggtgc      480
ttcttcatca accggcagcg ctctagcact gccatgacag tgatggccga cctgggagag      540
cgcattggtca gggagaacct caaagtgtgg atctatccc agggactact caacgacaat      600
ggggacctgc tgccttttaa gaagggcgcc ttctacctgg cagtcaggc acaggtgccc      660
atcgctcccc tgggtgtactc ttcttctctc tcttcttaca acaccaagaa gaagttcttc      720
acttcaggaa cagtcacagt gcaggtgctg gaagccatcc ccaccagcgg cctcactgcg      780
gcggacgtcc ctgcgctcgt ggacacctgc caccgggcca tgaggaccac cttcctccac      840
atctccaaga cccccagga gaacggggcc actgcgggggt ctggcggtgca gccggcccag      900
tagcccagac cacggcaggg catgacctgg ggagggcagg tggagccga tggctggagg      960
atgggcagag gggactcctc ccggcttcca aataccactc tgtccggctc cccagctct      1020
cactcagccc gggagcaggg aagccccctc tgtcactggt ctcagacaca ggcccctggt      1080
gtcccctgca gggggctcag ctggacctc cccgggctcg agggcaggga ctgcgcccc      1140
cggcacctct gggagctggg atgataaaga tgaggcttgc ggctgtggcc cgtggtggg      1200
ctgagccaca agggccccga tggcccagga gcagatggga ggaccccgag gccagacgca      1260
cactgtccga gccctctgct cagccgctg ggaccacca ggggtgcagct gggctccagg      1320
gtccagccca caagctgcat cagggctctc gggagaggag gggcctccag ggccaggagt      1380
cccagactca cgcacctg gcccagggga gccgggaatc ggggctgct gctcctgctg      1440
gcctggaaga ctctgtgggg tcagcactgt actccgttgc tgttttttta taaacacact      1500
cttgggaagt gaaaaaaaa aa                1522

```

```

<210> 613
<211> 550
<212> DNA
<213> Homo sapiens

```

```

<400> 613
cacgagccac catggatggt ttcaagaagg gcttctccat cgccaagaag ggcgtggtgg      60
gtgcgggtgga aaagaccaag caggggggtga cggagcagc tgagaagacc aaggaggggg      120
tcatgtatgt gggagccaag accaaggaga atgttgtaca gagcgtgacc tcagtggccg      180
agaagaccaa ggagcaggcc aacgccgtga gcaaggctgt ggtgagcagc gtcaacactg      240
tggccaccaa gaccgtggag gaggcggaga acatcgcggt cacctccggg gtggtgcgca      300

```

```

aggaggactt gaggccatct gccccccaac aggaggggtga ggcatccaaa gagaaagagg 360
aagtggcaga ggaggcccag agtggggggag actagagggc tacaggccag cgtggatgac 420
ctgaagagcg ctctctctgcc ttggacacca tcccctccta gcacaaggag tgcccgccctt 480
gagtgacatg cgggtgcccc cgctcctgcc ctctctctccc tggacaccct tggcctgtcc 540
acctgtgctg                                     550

```

```

<210> 614
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 614
gcaaagtgag ttttattttt ttgtaattcc tttatcttta cttaaagggtg aatgtgtatt 60
cctctgggag gaataggaag aaaacaggaa tgttaataat gtcgaacaga aaacttcctc 120
ccttattaat atataatcct catgtattta tgcctaattg aagctgactt ttaaaaagct 180
ttcttttgtt gcatgccctg tgcaggcatc tgtattgtac atgcatgcct ttcgtcctgt 240
tttctgtgat aaagtttagt aacaaagaaa tatttttggc tagttcatgt tgccaagcaa 300
tgcatatttt ttaaatttgt catatatgga aagagcatgt ttgttacatg taaaagcttt 360
actgatatac agatatacta atgtttgaag atgctgttct ttgcaagtgg tacagttttc 420
aatgtttgtt accagtgaac acccttgtgg tttaacttkg 460

```

```

<210> 615
<211> 1595
<212> DNA
<213> Homo sapiens

```

```

<400> 615
ccggttcgca aagaagctga cttcagaggg ggaaactttc ttcttttagg aggcgggttag 60
ccctgttcca cgaaccaggg agaactgctg gccagattaa ttagacattg ctatgggaga 120
cgtgtaaaca cactacttat cattgatgca tatataaaac cattttattt tcgctattat 180
ttcagaggaa gcgcctctga tttgtttctt ttttcctttt ttgctctttc tggctgtgtg 240
gtttggagaa agcacagtgt gagtagccgg ttgctaaata agtcccagac gcgagcggag 300
acgatgcagc ggagactggt tcagcagtgg agcgtcgcgg tgttctctgt gagctacgcg 360
gtgccctcct gcgggcgctc ggtggagggt ctacgcgcc gcctcaaaag agctgtgtct 420
gaacatcagc tcctccatga caaggggaag tccatccaag atttacggcg acgattcttc 480
cttcaccatc tgatcgcaga aatccacaca gctgaaatca gagctacctc ggaggtgtcc 540
cctaactcca agccctctcc caacacaaaag aaccaccccg tccgatttgg gtctgatgat 600
gagggcagat acctaactca ggaaactaac aaggtggaga cgtacaaaga gcagccgctc 660
aagacacctg ggaagaaaaa gaaaggcaag cccgggaaac gcaaggagca ggaaaagaaa 720
aaacggcgaa ctgcgtctgc ctgggttagac tctggagtga ctgggagtgg gctagaaggg 780
gaccacctgt ctgacacctc cacaacgtcg ctggagctcg attcacggta acaggcttct 840
ctggcccgtg gcctcagcgg ggtgctctca gctgggtttt ggagcctccc ttctgccttg 900
gcttgacaa acctagaatt ttctcccttt atgtatctct atcgattgtg tagcaattga 960
cagagaataa ctcagaatat tgtctgcctt aaagcagtac cccctacca cacacacccc 1020
tgtcctccag caccatagag aggcgctaga gccattcct ctttctccac cgtcacccaa 1080
catcaatcct ttaccactct accaaataat ttcataattca agcttcagaa gctagtgacc 1140
atcttcataa tttgctggag aagtgtattt cttcccttta ctctcacacc tgggcaaact 1200
ttcttcagtg tttttcattt cttacgttct ttcacttcaa gggagaatat agaagcattt 1260
gatattatct acaaacactg cagaacagca tcatgtcata aacgattctg agccattcac 1320
actttttatt taattaaatg tatttaatta aatctcaaat ttattttaat gtaagaact 1380
taaattatgt tttaaacaca tgccttaaat ttgtttaatt aaatttaact ctggtttcta 1440
ccagctcata caaaataaat gggttctgaa aatgtttaag tattaactta caaggatata 1500
gggttttctc atgtatcttt ttgttcattg gcaagatgaa ataatttttc tagggtaatg 1560
ccgtaggaaa aataaaactt cacatttaaa aaaaa 1595

```



<210> 616  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 616  
 tgccttccct tcaattttta actgaagcat tttaatgtgg gtagaaactc tacaccaaact 60  
 aactaaaca ttttgggtgct tagtggattt ctttttaggt aactgggtact tacttccaaa 120  
 gactgaatac aagccacact ccatcatatc ccttaaaact catgaaaaac cattcaagat 180  
 ccccttgctg caacactgtt ctcttcttct ctactaaatt ctatttccaa aattggtaat 240  
 agagccagaa ggatcccccga gtaccagcc ctctgcctgg nactaaactgg gtagcacaat 300  
 taaattcagt atgggggtgga gcatgggtaca gtcttgggtg gccaatagga aggggtagtt 360  
 ggcataggtc acaccatnca ttt 383

<210> 617  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 617  
 cactgagctgc tatgaagaca tacttgagac tcggtaattt atatagaaaa gaggtttaat 60  
 tgacaaaaaa gctaacaaag tgagcccatg attcaaaaat gactgtctac acttggcaca 120  
 tgagggactt tatgatatta agagattaat taaacaacag tggatgggga ggaagaacag 180  
 acttttgagc tcttcccaat ataggaatgt gttagtctta aaaattttct taagttgttt 240  
 gcttgaact cagagtntat ttatccatc gaaaaattca gaactatttn atttatgata 300  
 tgggctaaaa agacttctgt aatctagctt gggaaactta ataatcatta aacttatttt 360  
 caatgaaaaa aaaaa 375

<210> 618  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
 ggggcatggc taacacctcc ctgggcctct tcttctacc ttgattgagg gtgtgatgcc 60  
 tggagccaca gcagccactt tgctaccatg aaaaaaggc caagagaatc acagagtcac 120  
 tgaccctatc attatttcac caagccaata ccagccgcca tcttctcca gaattcttgt 180  
 aaataaaata aatccctctt tgtttaaaaa aaaaaaaaaa aa 222

<210> 619  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 619  
 ctgacacctg tccccgccc cagtgactcc gtctccttca cccctgcggc taccagcact 60  
 cctctaaagc aggccctcca gttcttctgc tacatctgca aggccagctg ctccagccag 120  
 caggagtcc aggaccacat gtcggagcct cagcaccagc agcggctagg ggagatccag 180  
 cacatgagcc aagcctgcct cctgtccctg ctgcccgtgc cccgggacgt cctgggagac 240  
 agaggatgag gagcctccac caaggcgtg gtgcaacacc tgccagctct actacatggg 300  
 gggacctgat ccaacaccgc aggacacagg gaccacaaga tttgccaaac aatcctttgc 360  
 ggaccttntt gcaccttttg caaccgttat tttnaaaacc cttcggcaat ttgtnggagc 420  
 aagttgaagt tccngggggc ttaagggtca aaaggccaag gagttgaagg t 471

<210> 620  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 620  
 gagaagagga tctggctgct ctgtttgaag cttcaatgaa actgtattaa ttgtcatttt 60  
 aactgaaaga attaccgctg gccattgtag tgctgagagc aagagctgat ctagctaggg 120  
 ctttgtcttt tcatctttgt gcataactta cctgttacca gtataggtgg gatatacatt 180  
 tatcttgacg gaaattcccc aaagctcaga gtccagttcc ttccataaaa caggctggac 240  
 aaatgaccac tatgttagac ccccagggct cgacttcagg ggtcagtgtt cctgtcccaa 300  
 accccacaca gaatactctg gcctctggct ttcatgtagg ccaaagagg caaaaaactt 360  
 cagtatctat tcaaaagtgg taaaattatt atttccnatg ggc 403

<210> 621  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 621  
 ggcttttggc cangcttctt tacagcatcc tgcactccag cctgggtgac acagtgagac 60  
 tccgtctcca aaaaaagga tgaggaatag aattctgtgc agatgtcctg acttggaat 120  
 tttgtgtccc tgctcactg tctccaccaa ccccgctg tctagtgtt gttctgctc 180  
 ctgtcctctc ttgtctctt gtcatgtctt ggcttcctcg gccccatttc acttcactga 240  
 gtcctgacac ccatctcctt aggggcctgt gagaggagag ggaaggtct gttctgtca 300  
 gctccatgtc cccattttc ctccacaata aaactgggga ctgggctgaa aaaaaaaaaa 360  
 aaaaaaaaaa aaaaaaaaaa 380

<210> 622  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 622  
 gctggaagaa cttttgtctg agggtagttc atagctggaa atacttgaa tattttccag 60  
 agtctctaaa ctctcatctt cccccacaga tacacatcca agctcacaaa taggagtagc 120  
 aattctaggt ggtaggggtt tgtacggaac ccctggctgt ctgcatatat ctgagaatta 180  
 ccccaggacc attgtcccaa agtctagagt ctttacaggt aggcaaaatt tgttttcaat 240  
 gcctgtgcct cagctgctgt cacaaatacc catcttagga tcccatcagc tcccatccc 300  
 ccaccagaca gccacagtac cctcactttc tccctattgt tctttcaaatt cctgttctca 360  
 ggaaagaaac tgccactaat tcattcacac taagggtgtaa anggattgat aatagggatt 420  
 gagttacctt ttcccacaga cnttggtttt aagtatggac agagcggggc ttattccagg 480  
 ggaaaggttt gggactggag ggggtgaggt t 511

<210> 623  
 <211> 1700  
 <212> DNA  
 <213> Homo sapiens

<400> 623  
 cggcggccca gactatccgc tcccaccgag ccccgggccc acctggtggc cccggcctgg 60  
 ccgcccggccc cgcgctgtgc ccgggagctc gtcccggacg cgcgaccggg cggcgggggc 120  
 tcggcggcca ccgctgcctc aagggagcga ggcgggaggg tgtgtgtgcg cggctgtgag 180  
 caggggtgcc ggcgggctgc agcggaggca ctttggaaga atgactctgg agtccatcat 240

```

ggcgtgctgc ctgagcgagg aggccaaagga agccccggcgg atcaacgacg agatcgagcg 300
gcagctccgc agggacaagc gggacgcccc cggggagctc aagctgctgc tgctcgggac 360
aggagagagt ggcaagagta cgtttatcaa gcagatgaga atcatccatg ggtcaggata 420
ctctgatgaa gataaaaggg gcttcaccaa gctgggtgat cagaacatct tcacggccat 480
gcaggccatg atcagagcca tggacacact caagatccca tacaagtatg agcacaataa 540
ggctcatgca caattagtct gagaagttga tgtggagaag gtgtctgctt ttgagaatcc 600
atatgtagat gcaataaaga gtttatggaa tgatcctgga atccaggaat gctatgatag 660
acgacgagaa tatcaattat ctgactctac caaatactat cttaatgact tggaccgcgt 720
agctgaccct gcctacctgc ctacgcaaca agatgtgctt agagttcgag tccccaccac 780
agggatcatc gaataccctt ttgacttaca aagtgtcatt ttcagaatgg tcgatgtagg 840
gggcaaagg tcagagagaa gaaaatggat aactgctttt gaaaatgtca cctctatcat 900
gtttctagta gcgcttagtg aatatgatca agttctgggt gagtcagaca atgagaaccg 960
aatggaggaa agcaaggctc tctttagaac aattatcaca tacccttggg tccagaactc 1020
ctcggttatt ctgttcttaa acaagaaaga tcttctagag gagaaaatca tgtattccca 1080
tctagtcgac tacttcccag aatatgatgg accccagaga gatgccagg cagcccagaa 1140
attcattctg aagatgttcg tggacctgaa cccagacagt gacaaaatta actactccca 1200
cttcacgtgc gccacagaca ccgagaatat ccgctttgtc tttgctgccg tcaaggacac 1260
catcctccag ttgaacctga aggagtacaa tctgggtctaa ttgtgcctgc tagacaccgc 1320
ccctgccctt ccctgggtgg ctattgaaga tacacaagag ggactgtatt tctgtggaaa 1380
acaatttgca taatactaat ttattgccgt cctggactct gtgtgagcgt gtccacagag 1440
tttgagtaaa tattatgatt ttatttaaac tattccagag gaaaaacaga ggatgctgaa 1500
gtacagtccc agcacatttc ctctctatct ttttttaggc aaaccttggt actcagtgtg 1560
ttttaaatte tcagtcatgc actcacaag ataagacttg tttctttctg tctctctctc 1620
tttttctttt ctatggagca aaacaaagct gatttccctt tttttcttcc cccgctaatt 1680
catacctccc tctgatgtt 1700

```

<210> 624  
 <211> 2255  
 <212> DNA  
 <213> Homo sapiens

```

<400> 624
gctggcctgt ttgggtactg ggggaacaaa ggtggagtca acatctgcct gaagctttat 60
ggctactatg tcagcatcat caactgccac ctgcctcccc acatttccaa caattaccag 120
cggctggagc actttgaccg gatcctggag atgcagaatt gtgaggggag agacatccca 180
aacatcctgg accacgacct cattatctgg tttggagaca tgaactttcg gatcgaggac 240
tttgggttgc actttgttcg ggaatccatt aaaaatcggt gctacgggtg cctgtgggag 300
aaggaccagc tcagcattgc caagaaacat gaccgcgtgc tccgggagtt ccaggagggc 360
cgctactct tccgcccac ctacaagttt gataggaact ccaacgacta tgacaccagt 420
gagaaaaaac gcaagcctgc atggaccgat cgcactcctg ggaggctgaa gcggcagccc 480
tgtgctggcc ccgacactcc cataccgcg gcgtcacact tctccttgtc tctgaggggc 540
tacagcagcc acatgacgta cggcatcagc gaccacaagc ctgtctccg cagttcgac 600
ttggagctga agccattggt gtctgctccg ctgatcgtcc tgatgccga ggacctgtgg 660
accgtgaaa atgacatgat ggtcagctac tcttcaacct cggacttccc cagcagcccg 720
tgggactgga ttggactgta caagggtggg ctgcgggacg ttaatgacta cgtgtcctat 780
gcctgggtcg gggacagcaa ggtctcctgc agcgacaacc tgaaccaggt ttacatcgac 840
atcagcaata tccctaccac tgaagatgag tttctcctct gttactacag aaacagtctg 900
cgttctgtgg tggggataag aagacccttc cagatcccgc ctggctcctt gagggaggac 960
ccactgggtg aagcacagcc acagatctga gccaggatgg gagtgaatcc caggcggagg 1020
ccagagctgg cagccagctc tgcctttcca ctgccgggag tgctgggggc ccagcctggc 1080
cccctgaaga gacagccaag tgtcgtccac atactcctcc cagagtgagc tctaaccagg 1140

```

```
ctcatttgc tctccacta ctcattctctg gaattagccg cttaaataca ggtttttgtt 1200
gctgagatgt gagtgaacc agctagtgtg tcaacagtga agacctggg acagttctgc 1260
gtctcatttc tggattccta cccctctctc tagtcttgcc caagtagtcc tgccaggcac 1320
atgccccatt tggcacagge ctgcattctt gtcgtgccgt cctgggcctc aggctgtctg 1380
ggaggggaga tgctcacatt tgtacaggct acatagactg gtgcaagcag tgctggattc 1440
caggagtctt ggcattctcat agcttgtccc cgtgaggagt gagcagaggg tctgggattt 1500
ctgctttcag caaaagcagt ctgactcagt gggcagaatg gaggggcccc tctagccagg 1560
ctcttacgcc atgggttatga gcaggttgat gagggtcctt cggccagcac aaccttcctc 1620
cctactcacg gcatggagtc tgactgcatg gaagttccag atcctgacag agagaactgg 1680
gaaggatcca ggctcgcttc cgttggttagc ttgagtccca tgcctccacc ctgccatctg 1740
aggaaggggt gacaagtggc caaggagctg tggccacaga cttttccagg gtggtccttg 1800
gcaggtgagg tgcgtctgts ccaccttgtt caggagccat tgacgacggg cccccctgg 1860
acccccggg acctcagagt gggggcaggc agaagggaga accagctcaa gacattttgg 1920
aggatctggc cctgggggttc ttcagagaac accctctagg ggctttgggg acatggcctg 1980
tccccacatc cagcacttgc ctccgccatg gtcactcggc agcccttttc ccaggagaag 2040
acacctctgg gagcctgctc agtgcttgct ctgccatcct gtgtcctggg actgaggggt 2100
actccagttg ctctgtgttg catactctcc cccgcaagcc tgtgtatgaa gaattgtccc 2160
ctggcttcca gcaggccatg gctggctgtt ttgtgactgt tacattgtgc aggggtaatt 2220
attagcgtgg cttttaaaaa aaaaaaaaaa aaaaa 2255
```

<210> 625  
<211> 1259  
<212> DNA  
<213> Homo sapiens

```
<400> 625
cggcgcccaa gcggccccag cgggctcgcg tcgccccgct ctctcaccg agccgccaat 60
gggctcagga tccgccccctg acgacgcggg ccccgccctt ggagacacgc accgcgcagt 120
cgtcacccgc ccgggatcag gaggcggggg gcgccccgct gcggggcctg ggcggcgcc 180
atgaagctga cgcggaagat ggttctgacc cgagccaagg cctcggagct gcacagcgtg 240
cgcaagctca actgctgggg cagccgcctc acagatatct ccatttgcca ggagatgcc 300
agcctggagg tgatcacgct cagtgtcaac agcatctcca cctggagcc tgtgagccgg 360
tgccagcgcc tgagtgaact gtacctgcgg aggaaccgca tccccagcct ggctgagctc 420
ttctacctga aggggctgcc gcgtctgcgg gtgctgtggc tggccgagaa cccgtgctgc 480
ggcaccagcc cccacgccta ccgcatgacc gtgctgcgca cctgcccgc cctacagaag 540
ctggacaacc aggtgtgtgac ggaggaggag ctgtcccgtg cactgagtga gggagaggag 600
atcactgcgg cccagagag agagggcaca ggccacggcg gcccgaagct atgctgcaca 660
ctgagctccc tcagctccgc tgcctgagact ggccgggacc cgctggacag cgaggaggag 720
gcaaccggcg ccaggatga acgtggcctg aagccgcctt cccggggcca gtttccttcc 780
ctctcagcca gggatgcctc gagcagccac aggggcagga acgtcctgac tgccatcctg 840
ctgctgctgc gggagctgga tgcagagggg ctggaggccg tgcagcagac tgtgggcagc 900
cggctgcagg ccctgcgtgg ggaagaggtg caggagcacg ccgagtgacc gcaggacctg 960
aacgccgctc cagcctccac ggggaccca gcgtcttccc cagcccccg gagctggagg 1020
gtggctgcca tggccgcagc cccggcccca caaaaagcc tccccggtt gccacatcgg 1080
ccgagggcag gagggggtgt taggtactgg ctaaccgggg cgggtggagat gcctgtctac 1140
accagtcctg tcccaggact ccccttctgt ggtctggagg ttctaggctg gcctgggctc 1200
ttaaaggag gatgttgcat gctgtcctcc ctaataaaag attttccaa aaaaaaaaa 1259
```

<210> 626  
<211> 563  
<212> DNA  
<213> Homo sapiens  
<220>

<221> misc feature  
<223> n=a,t,g or c

<400> 626  
 ggggggggnt tactcacaaa ggacagaaat ctccaccaag gaagtcccca ttgtccaaac 60  
 tgagaccaa accatcacat atgagtctcc acagattgat ggcggggctg gtggtgattc 120  
 gggcacgtta ctgaccgcac aaaccatcac atctgagtcg gtgtcaacaa cgacaaccac 180  
 acacatcacc aagactgtaa aagggtggaat ttctgaaaca agaattgaga aacgcattgt 240  
 gatcacagga gatggagata ttgatcatga ccaggcactg gctcaggcga tcagggaagc 300  
 cagagagcag caccctgaca tgcgggtcac aagagtgggt gtacacaaaag aaacagagtt 360  
 ggctgaggaa ggggaagatt aagttagaaa gtcatttttt tanacaacac tcanctttgg 420  
 gaacccctga gggattttnt gggccccnc cgganttcag nttgggcttn accagttgac 480  
 ttggnaannn nnnntnnnn cnnnnntnnt nnnnnntncn ncctnnnncn nnnnnncnt 540  
 ntccnncnn nnttnnnnn ncg 563

<210> 627  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 627  
 aaaccatttg actcggttg cctccctgcc cgttgtttaa acctacaaa ccctggataa 60  
 ccccatcttc tagcagctgg ctgtccctc tgggagctct gcctatcaga accctacctt 120  
 aagggtgggtt tccttcagag aagagttctt gagcaagctc tcccaggagg gccacctga 180  
 ctgctaatac acagccctcc ccaaggcccg tgtgtgcatg tgtctgtctt ttgtgagggt 240  
 tagacagcct cagggcacca tttttaatcc cagaacacat ttcaaagagc acgtatctag 300  
 acctgctgga ctctgcaggg ggggtgagggg gaacaagcga gacctttggg gtaatgantt 360  
 aacaccccat gctgggggat gcatggaagg tgaaaggggg ccagggaacc agttggaaga 420  
 attttccaat cc 432

<210> 628  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 628  
 cttgctccct ctttctctta ctttttcctt ttggcatggt taattagaga acattttcta 60  
 taagcattat taagaataat tgtccttaag gaatgatgga taatataagg gaaatgaaaa 120  
 taataaagaa aatgctacat ggaatctctt attcttgaac catgttcaga cactattagc 180  
 tgtgaccact gcaataggaa atgaaaaaga gggactttt tcaactgaaa tccactgtt 240  
 caaagaaaca aagaaacggc cacataaact aaatattcac aatactggaa atgaaccaca 300  
 gactttttga gtaatactcc agtgaactca tgtccttaaa tgagaagggc agccacagac 360  
 atctgccac tggaactctc tgggtggccac atttagggat gcattcttcc ttacaagggc 420  
 agccacctgt 430

<210> 629  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 629  
 cggagatcaa acaagattta ttcaatttgg tcaaagcaag aagttgggag agcaagatgt 60  
 ctcaaatacca tcttaacaaa aagaggaagc agtgagtttt taggtagcta aggagtaaag 120  
 gagaggcagt ttcagggaag tgagggggaa aagtctgcgt ttctttattc tcaggtaaca 180  
 tcttgagcaa ccagattcct gngtatcagc agctggctgc aacgtccttc aaggcattca 240



tggtcttcag	gggctaaact	tttctgcat	tcttttgctc	ttaccgggct	cagaaggaca	420
tgtcaggtgg	gaaacgtgtt	tctctttcag	agctgaagaa	agggtctgag	ctgcggaatc	480
agtagagaaa	gccttggtct	cagtgactcc	ttggct			516

<210> 634  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 634	tttttttttt	ttttttttga	gtgtgttttt	aatgcatttt	ttttaaaagat	taaagtaaaa	60
	tgtctcaatt	gtaaaaaata	cacaccgggc	aaatccttac	ctggataata	aatatctaca	120
	tcacagtaca	ataaaatttc	ttctctataa	aatttaaata	tggattatag	tctatcacta	180
	tcaaaagaaa	cactatgcta	atatttccat	attattaaaa	taacaggaaa	aattacgggg	240
	cttatttttag	aacctgangc	catagccgtt	ggaaagggca	aagagntttc	aaatgtcgat	300
	catcactctc	catt					314

<210> 635  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 635	gaaagttcag	ttcagtttat	tacagtgtca	agtagattta	caactattgc	acttatcatt	60
	ctggtgacag	aaggccaaaa	ctgaagattg	agattttcct	ctaataaaga	taggttttca	120
	gaatcttcaa	tataagatgt	taaaattata	aaggcaaaga	tatatacctc	atgttccatt	180
	ccatatacctt	cctgctgttg	tacagtttgc	tgcaaatgat	aatttaattt	ggg	233

<210> 636  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 636	tttgcgact	gaacgttgct	ttattcattg	gttaattttc	ctaacagcgt	tgtaaaccce	60
	ggccgggatg	tcttgagcgt	tctggcagag	gcccgctgcag	cctcggcccc	ttccggtccg	120
	cgctanctgg	cctttgccct	gagctccctc	agcttcgcaa	gatgagcttc	ccagacgggg	180
	ccggggctgg	gctctgaggg	aaaggcgctt	ccgcaggtct	ggggccgcct	tcccatgttc	240
	tctaaagccc	agcacctgtg	gttcgttggc	ggggctcgtg	ggattggggg	aagggtctgtg	300
	gtttcgaggc	cgtctgtggc	gccccagcc	cctaagtctg	cgagacgccg	gccccgcctt	360
	t						361

<210> 637  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 637	ttttcatttt	tcttactttt	aatatctaag	ataaaaaaaaa	aaaccceacc	acccaaacaa	60
	cccatttgca	tgctggcgac	acgctggctt	cggtctccct	ttctggggct	gtcctcccag	120
	gcggctccca	ggctctcatc	cagggaagag	cccagcctcg	gccagaagcc	accgcggcct	180
	ccagttccgc	accgtgacaa	cctgggaccc	agcctttcag	aaaggccacc	aggaactgtt	240
	tttaaagcat	agggctgcac	taggaggaag	ttttcccttg	aggctgagag	ttatttcttg	300
	tggagaaatt	tcatthttatt	gcctagtccc	ttcaggaact	tattgacacc	gctgtgctct	360
	ccactgggga	gtgtttccag	atactcttgg	ggctcggacc	tcaaaca		407

<210> 638





cagacgatga ccatgccgct gggttcactg gaggccagta ggctctcgtc gcagttgaag 240  
 ctgacatcaa gcacaggtgc actgtggccc tgcagcttgt tgacagcagc cttggccgcc 300  
 cgctccacat caaagaagtg cacgcacatg tcctcactgc ccgtcaccac gcaggcccc 359

<210> 643  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 643  
 tttattttgtg aaacgataca aatttttatta atatacaacg ggaaatttga cagtttaggg 60  
 aatcaggtac tcaatctttt gattctcttc tgcacttatg gtatatgaga agccagatta 120  
 taatcacata gttattttgat aacacaaata tacaagaac aaggagtgtc gattttataa 180  
 tgcagtgttc agggacatga agacttgact gtgtactcat tgggccatgt ttcttaaaat 240  
 gaagttcaag agtccctcaa accagaggta cataaagccc aggataaata tgacacatct 300  
 gcctagggtg ccaaagattt ggggaataaa aagctaaata act 343

<210> 644  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 644  
 ttttttttga cattttcaca ggggtgtgttt tcatttgcct ttgcgactaa tgggtctctg 60  
 gaacgttcca tcctggccgg ggaggtcagg gcctgggagg ccaggggccag tttcgagaaa 120  
 gcaggttttc ctttgtggca tgcttatttc aagcaccatt ttccctcctg gttatacttg 180  
 aaatggggct cgggtgttggg aggtttcaaa tgtggacatt ccgggcaagg agcctcatga 240  
 actctgtgga cattcaaggg gcctcatgaa ctctgtggac attctgggca aggggcctca 300  
 tgaactctga aggttgagct tggaaggacg gacacaggtc ttggcagcct gagtgggtac 360  
 aaacgctgat ttttctggag tcagtcctct cctgctgatg ggctgagaga g 411

<210> 645  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 645  
 tttttaatac tgctggcatt tatttttaaaa ggtattgaga tacaaaaatt gtatcttatac 60  
 ttgtaaaaaa tattttattta tcaatctttc tggcactatt aaaaatgtcc cattttcact 120  
 agacagaatc acaaaggtat acccactcaa tcataacaat ttgttttcta tggagcaata 180  
 ttcacagatc ctgtgaataa ataggtgaca aactccagggt ggccccctgt aggggtctggt 240  
 atatttagag ttttctggaa cacacataat tatgaggttt ggctctccta cagtcttttg 300  
 tttgccattt cccttgtctt tgaacccaaa cacagctctt tccaagcttg gagcgtggag 360  
 agggccctct tctccattg gtgaaggcaa caggttca 398

<210> 646  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 646  
 tgaaacatga ttaattttta tgtttatcca ccagcagaaa aaattttaata tgtaaatcca 60  
 ccagcagaaa aaaaattacc aaaactaaca ttttacagat ttttagtatc aaagcacaat 120  
 acatttttca tagaaacaaa tatatcacca ttataggtac catgatatgg caatatttat 180  
 atacaaggtc atttaccatt taaaaaaaaa tcagtggcaa tggtaatgta atacattagt 240  
 tcatctttgt tcaacttttt gctattatac ttcttggcct gcaggagtat ttgccaggat 300  
 acaaaagaaa atatgtgacc tcaattttta cagtacatag aaagctctgg ctgtccatgc 360  
 ttaaccctac atttactaca tgatcactag gaatgttttc ataccaccac tctgacttta 420  
 ttacatttat ttttaaggcc attcccaagg aatcaaacat ttttaacagat tcatttggat 480  
 attaaaggat tatt 494

<210> 647  
 <211> 310

<212> DNA  
<213> Homo sapiens

<400> 647  
cagtttaagct attttttttta ataaattgaa aagatgttct gtacaacata atagagtcac 60  
aggaaatcaa aagcatatca gtaacaactt ttagaaaaag aaatgaatga taaagaaaaa 120  
cagatatgac ctctcaatat cttggggaag taagttagga tgatgtttca ttcacgtctt 180  
aatgatataa ataaaggata actctgtgta agaagtagtg tttgtatctg gtggtaaatt 240  
tagttaaaaa gcataatcac aagttacaaa aactgtaatt acaaattaca aagaagaaca 300  
ggcagacaat 310

<210> 648  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 648  
tttttttttt aaggaatgaa ctttttaatg tttttctgtt tccattctaa caaacatgca 60  
tttttgccct cagaaaatag agtcaatagc tgtgcagagt tgaagaaaaa cgtcctctgg 120  
tgttccctct gcatttatct tgtgtagctg tgtttttgtc tctagtagg cgatcacggg 180  
gatggacgct cggtagtagg cttctaggcg cttggcgatg gtcttggtgg tgcgtccac 240  
aggcaggctg ctccggctcc ttttgagaag gcggttggtc atggtgtctg ccgagcagtc 300  
catacagatc accaa 315

<210> 649  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 649  
tttttttttta tttcaaaact atatatatga gatttatttc acattttcta cctactcagt 60  
catgtgagct gttgctacat ttgtgaactt tctgacacca agtgacaaat atccacaaaa 120  
gatcatttac aatgtagaca tcaactaaagt ctagatttaa aagtcacagtg aaaatggcac 180  
acagttggct tacagaaata aaaaagtaca atatatattga aatagtaggg tttttgtttt 240  
ccatttatgc ctacatcatg gtgttaccta tggatatgtt atcaacgata ttgatatcag 300  
atactatgac ccatgacatt tagtattttt agcaataaga agcacactta aatctatttc 360  
aaaaatatga catgtttaat tcttaggaaa gtatcaactt tacaagtat catac 415

<210> 650  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 650  
tttttttttt ttttgcaaca gagcagaaag gatgctttat ttgcaaaaga gtggtgaaca 60  
tctaaaaagt tgacattgta tatgattaca aagtaaagag tactcttggt agagaagtta 120  
catgttcatt gttaaggaaa ttatatgtaa atcacaaaga tcatggtctg tgaataatgt 180  
gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
gtttccattc tccaccctct gccttaagat acgaagcctt gacatgacca catcccagtc 300  
agcataagct ctttc 315

<210> 651  
<211> 495  
<212> DNA  
<213> Homo sapiens

<400> 651  
gcggcgcgca cctcaaccga agctttcccg accagtttag caccggcgaa cccccgccc 60  
tgagcagagt gcccgaggtg cgcgccctca tctagtggtt ccgcagaaca agtttgtgct 120  
ttctggaaat ctgcatggtg gctcagtggt agcaagctat ccttttgatg attctccaga 180  
acataaggcc actggaatct atagcaaaac ctcatgatga gaagtattta aatacttgctc 240  
aaaagcttat gcttcaaacc accccataat gaaaactggt gagcctcatt gtccaggaga 300  
tgaagacgag actttcaaag atggaatcac aaacggcgca cattggtatg atgtggaagg 360  
tggtatgcaa gattacaatt atgtgtgggc caactgtttt gagatcacat tagaactgtc 420



tctctagrgg tttctcccat ctaaacagta caaatctttt atggacagrg tacttttaaaa 120  
atcaaagtgt cagagtctat gattttagt ttcatgtgaa aatactaagt attctggatt 180  
ccccaagggt aaattatatt cagtataaty cbbggtaaaa tatattybgt atttbavgtt 240  
tttggraact gtttattcat atatggtgta catacataat aactaaaagc aggaatgtyt 300  
tatttcatta agatgtatag 320

<210> 657  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 657  
ggttagtaca caaatagttt atgcagtaaa taactgtggt tacagttcat tgttgtcagc 60  
aatacagcat tttccatcac aattataggt gaaacaaaac ctcatgaagt agtcatagca 120  
cattcatgct agcgagagca tattacaaag caatgcacgt gcattatagg ggcagacaaa 180  
actggggaag ggctatattt ncactcacct ctggttaact ttgtgtattt tgtcattaag 240  
acttacatta tgtttggtgc aaa 263

<210> 658  
<211> 180  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 658  
cctactgtta gttttatttc agaagcagtg tgaagaggta catagctcgt gacatgttgc 60  
ttagactctc cttttctcag ctctgcaccc tgttatgtct ttagctcaaa aacagaaagc 120  
tctccctgct gtagctgaga ccaccctcct tccatccctt ccatcaagaa gctncccaaa 180

<210> 659  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 659  
aaagaacaca tttgctgttt ttattggtgc cttgcatggc agtaatactg aaaanggaga 60  
atgcaaaaaa ataaaataaa ataaacaaaa aacaaaaacg aaaaacaggt tgggtggcaac 120  
ccacatcttt tttttaagag cacataaact cctgttttat ttttattgtg gcatgaatga 180  
taacataaaa ccaaaancat gaaaatatac aacttatatt acactatgt 229

<210> 660  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 660  
gagtgctgta gagtttaatt gtaagacaaa agcactgcta cattatactt taaacataag 60  
tcatctttca gaaggaagga ttcagtgc aaataaaacc tatgaaagcc caactgtaaa 120  
tttcatatga agactctaga agtaaacttc tagaactgga aacacttggt tccaacagaa 180  
tttgcttggg gagaatatgt cttgaaaatg ttaaatggta cagagaacat catgtttaag 240  
tcaaccagat actaaaaaaa gacatgctga taggtcttaa tacataaaac taattgatta 300  
gtagtagcat gcttta 316

<210> 661  
<211> 294  
<212> DNA  
<213> Homo sapiens



gaagcttcca	tgggtcacta	gttagggaca	gagcagcaca	ggtgatcaga	cagggctgag	300
caaacacctg	actgaccaac	agaaccagtc	tcctcaggca	gcttacattg	cagtcaatac	360
agagggttat	gggaatttat	tgatttctgc	ttggaaataa	acaaggttaa	ggcaaattag	420
ggag						424

<210> 666  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<400> 666	tttttttttt	catgaaatga	catttattgt	ttaaaaaagc	gtgagtctgg	aattagatag	60
	tggatgatgg	tgaacaagtt	tgtgaattta	ctaaaaccac	tcaattgtac	gcttaaaaaa	120
	aaaagcaagc	ttgagctgcc	taagtcccg	tcacacacac	tggacttgta	ctaatgctc	180
	aacgattcca	ttctctcaga	ctatggaaca	ttctgtcaca	tttttttcct	tcaggagatt	240
	tcctaagaa	gagctgtttg	caaaatattg	cacttaattt	gaatccgggg	gacctgatgt	300
	ctcctggaag	aaaacgtaca	cttcacatgc	cttcctgcct	gcggcagaat	gggcgggagt	360
	gggtggggac	aaggggcttc	aacagcagtt	tccatggaac	attgttttc		409

<210> 667  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 667	tttttttttaa	tnagaagaat	tactgggaac	tagcttgga	ctgttgga	cagtctttgt	60
	ctcagctact	cgagaggctg	aggcaggagg	ttcgctcgag	cccagcctgg	gcaacatagc	120
	aagaccctat	gtccgaagaa	aaaaaaggca	aaatcagaat	taccagaact	gatttcacat	180
	gtgtaggtag	cagatgggtg	ccatgcaatt	caggtctgtc	tgaaggcccc	caggctgggt	240
	tacaaaactg	tgtaaggcca	gtacaaggcc	ctgacaggtt	cccaagtggc	tggactngaa	300
	gagatgccaa	gttcatggcc	tcctaacctg	actccaccca	ggcactccct	ggggcccagc	360
	gacgttcctt	cctgaagcct	tgaaatttca	cctccacctn	aggaggggcca	tctggctggg	420
	ggattagggg	ttttggcaaa	aattgaaaaa	cattcatttt	tccagaggga		470

<210> 668  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 668	aatgagggna	aggaggcaa	actggactag	aggggctagg	aggaggcaat	gctgggaacc	60
	aggtctcccc	accacctgcg	agtaatgtcg	tgcaaatgaa	aatgtgatac	aagaactaat	120
	ggggactaac	tcctcagtaa	aaaaagaaac	acaggttgag	agaagagtga	tggaaacaaa	180
	agaaatggaa	agggatagca	gtatgtaatg	atacgctaat	taacatgctg	ggacgntccc	240
	aaagaccttg	ggattcttag	ggaccaagtg	ggggccagtc	tcagagcctc	ccaatgggnt	300
	acaaaggaag	gatgttacc	taagggaagc	ctgggacagg	tgcttgttgt		350

<210> 669  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 669	tttttttttt	tattttaagt	gcaaatatca	taagggaaga	ctgaacttct	tttaggagta	60
-----------	------------	------------	------------	------------	------------	------------	----











<400> 684  
 ccgagtgaaa acagtctgtt tattacagcg tctagagggt gggatgcaga atgaggcggg 60  
 gccagagga aggggcgcct cagcccaggg ncgnaccgtg acaatgcgcg caatccaaat 120  
 acagttcacc cggaagacac ggcagagctc ccacgttaca aaggctgaca cagaccagca 180  
 gcgtgttggtg ttggggagggg ggtctgacca cgatggcgag ggcagtcggc ggggggtggg 240  
 gggcctgctg accactgaac agactgaccg catcctgggg gcaagataaa ttaaggggga 300  
 agtcttaaat aagtcactgt gcgtgcctca tgggcccag gagggggtat cctaagtttt 360  
 tagggttcct atcaattcct ga 382

<210> 685  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 685  
 gagtgtaaat tcaatttttag cagattaggt tttattttta ctgcatcggg aaaaccacat 60  
 agataaaact atcttattgt ttatccttta caatttttta aagcaaaaca aacacaacag 120  
 cattttattt atttaattgt agtgcacccg tattttcaca tattggattt taaaaaatct 180  
 ctgcttacia gaagaaacga aagcccaaac aagaatgtag tatgtaagcg agtacaaaat 240  
 gagatagagt agaaggcaaa ctgattacct aagtcccaag aagtcaggaa acaaagtgt 300  
 actcagatcc aagcagggtt aaccaggaaa ggctggcatt tcggtgngta ccnggctngc 360  
 tttcttcagc aactgcgctg ntacaacatt cctgggggga 400

<210> 686  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 686  
 cagtaaaaac tctttattca ttccttcctg tgacagttgg ccttgagtag ttacaaagac 60  
 agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgctc 120  
 ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag gggggtgctg 180  
 caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230

<210> 687  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 687  
 tttttttttt ttttgccatt agaaatgctt ttattttataa aagaactact taaatataaa 60  
 catctctaca tagaaacact cttcacaaaa ggactcttgc attactgcct tctgaccacg 120  
 accagcagac actgtggatg taaggactcc acgggtgtctc ccgactccca ggatttttaag 180  
 gctaaatgtg cacttgaggg aacagggggt gtaaggctat ttcttcctt tcttttaaaa 240  
 gacaaatttc atggtttccc attccaagat aggcttcata gctggggaag atcttaagat 300  
 tcttggtcta aggggtaagc aaatatcttc ctgagactgg gaggtatgat caggcacttg 360  
 ggaatctggc tttgaatgtc atctctgaag catggaagtt agtggtgaaa aaaatcttat 420  
 ttccaagtct agga 434

<210> 688  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<400> 688  
 gggtaacata agacatttat tactttatac taattttttc attcataaaa aggacaaagc 60  
 acagtcctat actactccat tgaaaaaatg ataaaaaata actaaaaaat caattcaata 120  
 tttatcagta tcaataaaaa ctactatcac ctttctgaa atacaaagaa acaacagatg 180  
 tatctatacc tatataaagt ttaattcaga atcttgcgctc ttaaagcaga tgattattag 240

ttagcttgac aacagtttaa aactgatggt cccagttaaa tctgtacaac tgtatgagaa 300  
 aatgaaaagc ttcgagttat cagtgtacga gagattttta actactttat ctctgtcaga 360  
 aattcaaaac taaacaacct ccaaagtctg ttttcctctt acctttcaga accatttcat 420  
 ggaaaatcta accagttttg ctcgttatta tca 453

<210> 689  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 689  
 gaaacaacaa cagtgtaatc ttttaacaggg atgttaaagg taagaagtca ggaagataaa 60  
 ccaaaatgat tgagtatgat aaagaatttt gcatggcgat taaaatagaa aacctataaa 120  
 tgtagaaaaa gcaggctctgg acttagcaaa gaaacaatat agtttggaga aggcataaaa 180  
 taagttcttt tcatgttcac tgctgggtcac ancataacag agagtgatgt ggagagcttt 240  
 gggaagggtt cacgttgagt tacatcagtg gtcaacaatg gagcaacaag actccgtaga 300  
 ggatgccacc ctgggagaat tgcaagggaa aggaggctga agcacaactg gtaatagcct 360  
 tcagatattt aatggatatg caaataaagc tctgattaat tgtattttca cttattatat 420  
 atcatctttg gacctttcta aaagtgggac nctagaaaag atatactgaa actccaaaag 480  
 aatacttcag ctcgagttga atggattcaa gatgttggt 519

<210> 690  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 690  
 ccgtgaagga actattatta ctttaaaagt gagggtaatt tacatatggg gtgtatatat 60  
 tctaaaaata gtaataaaag taccttttat aagcaatggt gtgtggcttg tagaagaaag 120  
 cagggaggaa aaaaaggcag gcaaaactag tctagggtcta ggccctaaaa atgagcttcc 180  
 ttcccacttg actggaacg cccatgtgat ttctaggctg aaaataggta ggatttaacg 240  
 agtaacctag ttcccttctg tctctgattt ctgatcagct gatggagctg ctagtaagag 300  
 gggccgatca tgctcccaga cgagtccttt ggccctcttg tctccatccc aagcctgact 360  
 ccttcagcag cagccccctc cttctgtgtc catctgatgc aggcaagcag gagcagtaag 420  
 agggcatccc atgttccagt tcaccttcta tggggtgact ag 462

<210> 691  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 691  
 tacagaacaa acgtgttctt tactgtgaag ttcattatga acctgaatcc ctgatcattt 60  
 aaagcctatt atccaactta tgccatcagc agcaacattt ttgtgttcaa caatttaact 120  
 tactacacac acctgtgtga aaatcacaaa cttctcata catttatgag cttcagaatg 180  
 taactgggaa gtgtagcaca gc 202

<210> 692  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 692  
 aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcc 60  
 cgggtgcttg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120  
 gccatcattg cttgttggtg acttcggact tggtttcgga ctcccttagag gcacatgcag 180

actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgatcct	240
ctgacgggtt tgagccattt gaagggatta aaatcagggg aattgttttag ttatgccttc	300
aaaaatgtgt gagccagga actgtgggat aaatggggct tgtgaagcct ccaaagattt	360
gctctttaag gttgtggaaa tatcccaagg gttaaggtta tcatcccngg ggttttt	417

<210> 693  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 693	
tactgaaata cacagattca cttcagctca gcgtttactg agcatctgcc atagggcact	60
gtngcttggg gctgggattt aaacagctcc agtccctggc ctgcacagaa agtgaaggcc	120
agtggggaca ggcatgtaag cccgtagcag cagcacaccc ggccacagcg gccaaagtga	180
gcaagtactc acagaattcc agggcgatgc caagaggcct tcagaggggc caacctgtga	240
gccagaactt tgaagggacc aacggatttc cccagatggg acaaggaaca gaatgggtgt	300
tattacccaa ggcaagatta aagtgttatt gggaaggtn acagagggcc agccaacatt	360
tggggcacac cacaggggca a	381

<210> 694  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 694	
tctanagaca aggtctcact atattgccc tgcgtgtctc aaattcctgg gctcaagcaa	60
gccttatgct gtggcctccc aaagtctctg gattacaggc atgagcactg cacctggctg	120
aaaatgtttt ttaatgcaa aaagctttac atttttgcag aatctaattc atttttaaat	180
ttgttacta gtgcttttgg tgtcaaactc aacaatccat tgtcaaactc gaggaaatgc	240
agatctactt ctatgtttgc ttctaagaat tttgcaatc tacccttac attgaggncc	300
ttgatccatg agttaattat tataatatgag ttaattattt tatatggggg tcccacttca	360
ttttttttta ccatggccat tatacaaag ttccaggnat ggatttggtg aaggggacnc	420
cttctttccc ccattgaatg gggcggggg	449

<210> 695  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 695	
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant	60
gtatcataca aaagtttcat tcgctgggtg cagccacggg aaagactggc cccgtagcac	120
tgattttcca cctcccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga	180
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct	240
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga	300
taaactaaca agtgggagtg aaatgggaaa accctttgat tttttacta ttttcccagg	360
ggcctggggg ntttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg	420
ggggtagg	428

<210> 696  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 696  
tttttttttt acactttgtg gttattcttt tattcttggg tgtccccac cagacccag 60  
ctgactgggc agggattggc cccaggnttg gcacangtgc caanncacc gagtgctcag 120  
ccacctcttg ccaaacatct gaatcaatgt cacagcaaca cttggtttgc tctgttgca 180  
ttctcatgac aggctcagcg tcaggtagca cgttcttgag ggcaaggctg tctccacaa 240  
agccctctgg ggttgggggg tntccagagg caagccctca gctctnggga gacttgtctt 300  
gccttccggg aggaaacttg gggggcaaaa gggacaaagg g 341

<210> 697  
<211> 560  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 697  
tttttttttt tgactttctc agatttattg tatgtcctca gacangtaga taaaaatgca 60  
tgggggtttac ttccagggat ttacagacca atataagtaa acagctgggg tttcttttta 120  
ggctgtttct cttggagggt gtgcaggagg ttgaggaaag cacctctgat gagcagatag 180  
ctggaggctg ttcccacagt catgtctcag cgaagaagtc ggagttcagc agccatcaga 240  
accaaggtat gtgtggtgat cttcggaatg cactccaaa tcttttgac tttcttttnc 300  
acacagcagg agttntaaaa gantgcttcc ttttattatt aacttgaga atccatgcag 360  
agagtttaca ctaaacacat gantacattg tgtttttagg aaggctgggt nccctcagtc 420  
cccagatctt tgaattctac cattaagttc aggtaggttt ttngagacag agntttgccc 480  
gcatcatatc tgtgacactg actcttctgg gtntagggtt ttctttggcc aggggtttct 540  
tgagttcagn cctgatcat 560

<210> 698  
<211> 356  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 698  
tttttttttg aattaagtat ttcattgttt tatttcaaaa gaaaaaagga taccaagaag 60  
cagaagaatg aagcagttaa aaccagcaaa gctgcaaagt aggaaagaaa gctgaggagg 120  
agattgatcc gatttcaacg atgtggccac ttaatgcaa cacaggggtc tgatgctgca 180  
aacctaagtt cacatgagtc cagtgacttc agcaggtcca ctggatccnc cacagtgaca 240  
gggccagggc ctttctgct gaatcctaac tttacacatt ctaggncaca tgtcatggca 300  
catacagggt tacactttat ggggttatg gacattggca tgccatttgc acacag 356

<210> 699  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 699  
tttttttttt ttcctagata caattccttt attatcatta tcatgcccc tagcacatga 60  
agctgggctt ccacctagat cagctaagga caggggtatg tttacaatga gaacaatttc 120  
tctatgcgca ttaggttaag acctcttctc tgtttctaga atactgtgat gactcacatc 180  
catgggccag ctgcttccag ggaatccatc tggcctcaac aacattgggc tgctgggaa 240  
taacgggtctg ggcacttgca caggggcagg ggtatggggg agcaggcctc aggtttatta 300  
aggcaggac tggggcactg ctggaaatag ggggaagggg gggcagccaa catgttagcc 360  
aggttcttcc ccaaggg 377

```

<210> 700
<211> 426
<212> DNA
<213> Homo sapiens

<400> 700
ttttttttttt caccttattg cattttttaa atctttattc tgtagtgaat tggatttccc      60
aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga      120
aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt      180
ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ctttttcac      240
caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcattttaa      300
ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca ggaaaactta      360
aaaggacaca tttaaccaa accaaaaccc tttttcaaaa caagtaaggc atgtctgtat      420
ttagtt                                             426

<210> 701
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 701
ttntttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac      60
tgggctccac cctcacttac tgcccgccgt ggatggcctt ggaggctgcc tgcccgcgcc      120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgnctctgat gggcaccagg      180
taagcgnfcc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan      240
tncaatttgc ccnctgntn cctccagggt cagcaccttg aagaagtgtg tgggcactgc      300
cangtggttt ttgccgatga cctgggtant ttacgtagga tttcccatca gnetctgtcc      360
atgggac                                             367

<210> 702
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 702
tttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac      60
aatcagttct cccttgaatt taaggataaa acttgtcttg tttataggaa aattgggtctc      120
attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac      180
ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgccctg      240
ttatttttta aaattatatt aaaattatgg cggtaaataa aaatgtactc acattctcat      300
catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg      360
ggaaaaggta ttggccnttt atggggnggc ctggtttcta actaggcctt tggccaattt      420
tttt                                             424

<210> 703
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 703
tttttttttg tatacggtaa ctactttatt attttcaa at gcaaactctt tgcatttagt      60
ttgctatttt acaattttac aaactaggta taaaagacca taaataaatg acataagtta      120
tgtgtaccta aagttcatga agggaagaaa aataccttga caaattaaaa caaataggga      180

```

aaatctatgt	ctaactccag	aatcactca	aattttggga	acgtgtgaac	cgaacaatgt	240
tctgttaatt	tctttttcag	tatggaacta	aattataata	tggccttata	cattctnatt	300
tggaccacag	tccttggcat	atttccacnt	acttggggg			339

<210> 704  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 704						
tttttttttaa	cctttatata	cagatatatt	tatagaataa	gctatattaa	tttgtctctc	60
cttttttacag	caatattagt	ttgggatctt	tcatacat	agtaaaaaa	aagtctgggg	120
agaatggcac	gtaagagagt	gcatgagggt	ctgtggggcc	cngctgctcg	ctactgattg	180
catatggggg	cgcccaggnc	cctgggaggg	acangcccgc	gcacttntct	ggcaggggtc	240
ngggatggag	tnggggtcgg	tctnagccna	acggggctga	gggggggtngc	tcanaccccc	300
ca						302

<210> 705  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 705						
ggttgtcatt	tattgttttc	aacactatct	tcatgacctg	tttgtgttca	gagtgggtca	60
cagataagga	aacatttttg	cccagtcctta	agttcatgga	agataatagg	aagagtaatt	120
aactgcagca	aaagggttagg	acaaaacatg	gcattatcag	ggcttgaaag	gactttattg	180
tggctgtggt	gaagcaggcc	ctgggtcttg	gcagatgata	ccagaagggc	actgagtgca	240
ggcgtgcaac	ttgaatttga	tcccataaag	tcagggcctc	aggaagccat	tcagaatttt	300
tcaccctgtc	agatgctcag	atttgctagg	agaactctgg	gtagtgggca	agaaccagag	360
ctgttacttc	aggaattggg	gacagagggc	atttttcccc	aaaaaaaaaa	aag	413

<210> 706  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 706						
tagtagagac	agggtttcgc	caagttggcc	aggctggtct	tgaactcctg	acctcaggtg	60
atccgccccg	ctcagcctcc	caaagtgtctg	ggattacagg	cgtgacacat	gtgccccggc	120
ccccttaaaa	ctctttaatg	gtgtctcatt	gcttacacat	tacagttcaa	gctcccaaac	180
acggaacaca	cgactccttc	ctcctgttcc	taagaactta	aaatggnagt	ctcaattctt	240
accacttcct	gcctcgccct	tgatacacca	ggcaacacca	gattgcttgt	aattcttgac	300
aaacacataa	cacagcttgt	tctacctctg	gggtgtttgt	cacaggtacc	cactctgtcg	360
ggnactgcca	taaccctcat	tnttattcct	taaattcaaa	ttggcatttc	agntcactan	420
tttttttggg	ggnggctttt	tnttaatttt	tccc			454

<210> 707  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 707						
ttatangcat	tacntnttta	ttcaagctcc	acaataacgc	agcaaaatac	atactgattt	60
catatcacca	gcgaaaaaac	catactcaaa	taagttagg	aacatccaac	taggagtggg	120



tggacaaaaa	cctaggcttt	gactccacac	accacactct	actggatcag	gagaatactc	180
tgatgaggtc	tcatttccac	ttgagtttga	agagcctgtc	gtttgggatt	tctaggaata	240
tttagtctaa	tgattattcc	tttctgtagc	ataggatgat	gccctcacia	aacagccagt	300
gtgggttaat	tactacacag	ctgtcagctg	ccatacatcc	taataccnat	tatttaatat	360
gcagttaaca	cttgggngct	tggntgcttt	acaatggc			398

<210> 708  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 708	tttttttttt	gctgacttta	attacaaact	ttatttgtca	atacaattca	cagtttatac	60
	atggcgcat	ccaccatata	aattttcggg	acagttat	gaggaaatgg	gtgtagcttt	120
	ctttctaaaa	gagcctgact	ttctaaaatt	ttggttggat	tttttttaac	tttataaaaag	180
	tacttttaac	aaattaattg	aatatttaca	tttctagctt	aaattttaa	tttggaata	240
	aagcgtctat	tagtttattt	ggcttctttt	aaaggattcn	ggggtttatt	ttttccagga	300
	ccccaatccg	gatggcnc	ttattccgga	taccngctcc	ccacccccca	ccaccac	357

<210> 709  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 709	accaaacaaa	anctttatta	atgcattgac	aatcagtgaa	gacaatgaaa	accaccact	60
	tttgtccgtg	aactgagaaa	gaaaatggca	atgtcatatg	gcattaatga	tgcatgagat	120
	ctatgggtgt	agtgtcacgt	ctaggcgtgt	agtaatccag	tcttcggcct	tactccaggg	180
	agaaagattc	agctttgtta	ctttccagtc	actctctccc	gtaacacagc	accttgggca	240
	cagaaagcag	agcgnccaaa	accaggant	gagggacagt	taaaattcaa	cttcaaggct	300
	acagccatcc	caacgggtcc	tnccagctc	ccgcgggatt	ttttacc		347

<210> 710  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 710	tnnaatanat	ttttactgaa	aacttttatt	gtaatcaaaa	agtgcataa	cagggttgta	60
	atgaattcag	caaatcattc	tgctgatatt	ttagaactta	tatcagcttt	tgccaggcaa	120
	ttaaaaaatt	caaatgtgaa	aatttcacat	tacagtaaac	tccaccccaa	ctaattaatg	180
	gtgggttaaaa	ataataggcc	ctagcaaaac	ctctcatggt	acatgggtcac	aactcacaat	240
	tctgtacaaa	agttcgtggt	ataangctct	gatgtaaaan	tcaaataatc	aaggcaggca	300
	atatttttagg	tgacgacag	ggtcttccat	gtcattat	acaagggtt	gaatctcttt	360
	acattat						367

<210> 711  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

```
<210>      712
<211>      424
<212>      DNA
<213>      Homo sapiens

<220>
<221>      misc feature
<223>      n=a,t,g or c
```

<400>	712						
ggaaacatga	tcaagattgt	ntattagaaa	aacataaaga	tgaactttct	tggcacagaa		60
atgagataaa	atatacagtg	ctacaactgc	agaattagca	cggacgccaa	tctaaaaaca		120
gcaaatat	aacagtagct	ttaatgaatt	aatgcacaat	at	tttgaaaa	atctttgacc	180
ttgctcataa	gcagatgct	gccttgaaga	aacactccaa	gtctgccgtg	attccgagcg		240
aaatgccaa	gcagagtcaa	gacaatcatt	acctttaggg	ctgaaacctg	ggcatgaggc		300
tgcccccttct	gggatgcctc	ctaaccagtc	tgatgtactg	gggaaggagg	agtgaggtgg		360
ggtcttcctc	gggtcccaga	agctgaaaac	ccagcccttc	ctttgccatc	agttctgtgc		420
caag							424

```
<210> 713
<211> 330
<212> DNA
<213> Homo sapiens
```

<400>	713						
aagaatgagt	atTTTTgatt	tattcaaagt	ttcaatctaa	aacctcaatg	aaatctacca		60
cTTTTattac	aaggggactg	atggttcctg	aacagaaaga	aacaaagggtc	aggaaagatg		120
gcaccggaca	ttggagaggg	aactggccga	gtgtgcagga	ggtttggtcc	aatagatcac		180
tgacaggcta	aaagccacat	tttgttgaga	aattacatca	gaactgttta	aagagtataa		240
acctccataa	gaaaactaaa	gatggcaaat	gagattcaac	tctgttactt	caagtctata		300
atgtcttcat	cqgaqaaaqc	cqtgaqctqq					330

```
<210> 714
<211> 399
<212> DNA
<213> Homo sapiens
```

<400>	714						
tttacttttc	ataaat	ttatgaaatt	aaatgtggtt	tctggcttgg	agaaggaata		60
gtgcaagagt	gactgtccat	gctgctgaat	cctgtgggct	ccacgccagc	tcgccaggcc		120
ctggctctgc	tcctggcgcc	ccttggcagg	acagggcgcc	atctccacac	accgctgcc		180
tgggctgtgg	gtcagtcctg	tgtgctgagc	cacagaattc	ggtctctctc	ttatggcttc		240
tcacgctcac	gagcgtaagg	caatcttctg	tgtcactaag	aatcaattct	ttttctccat		300
tgtttgttgt	tagaaaaaca	agatgccaaa	atccaaacaa	aaaccaggaa	cgaggtgggt		360
tctggaqcta	ccgcacagca	qgaaggcagac	tgaccacac				399

```
<210> 715
<211> 259
<212> DNA
<213> Homo sapiens
```

```

<400>      715
tttattgagt acttactatg tgtcagtcac agttccaagg gcttcatgag ttttaactca      60
tttaatgagt taatccggac aactcagtag accaatgaga cagggtactct tatcatctct      120

```



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 719  
 cttcaacaca gcagaaattht atttcccacc caggtaagggt gaccctgagg taggcagtga 60  
 cttctgtcgg cagcgaacta ggccctctca ccaggctgcc ctaccgtgct cagtgtctgcc 120  
 tcatgggtgca aagtgggtgc tgagctccag tcatcacttt agccngcnga anggggaagg 180  
 gnangggnaa aanntttccc cccnctngg gggatttctt tncnnncccc cagtnaggat 240  
 tttgngttta ttataaggna agaagagaca gttagcngag gcttcctgt ccaccagg 298

<210> 720  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 720  
 tgggttggga ttttcaatct ttattatttg aaattattgt ttcaaatttt attacatacc 60  
 atggccctag tattttgttt aaaatatctt tatttttctg taaagaacaa gtgtgccata 120  
 tttagctttt gatagaaaaa attaagaaac tatcataaag ggaatagcta aaagaaagggt 180  
 tagtaaagggt agccatcaca aggagagatt ttggaaaagg gtggtgtctt agtccatttt 240  
 gtgtttctgt aacagaatat ctgagactgg gttatttata ataaacagaa atttatttgg 300  
 cttagtgtga gaggctagggt aaattcaaga ccnagggggc agcatctgat gagggccttc 360  
 ttgctgtgtc caccacgggt caaagggtgaa ggcagaagggt gaaaaagagt ntgtgaggga 420  
 aaagagggga gcccaaactt gcttttataa cccaacacac tcctgaggat aatggggntt 480  
 aatcttttca tgaggggc 498

<210> 721  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 721  
 acattttatt tataacagga aaaatatatc cctctatatt ttagttttaa aaaatactgc 60  
 ttggaagcag cccatattct gtgcgttttg tgaattttca ggtgagactc cctcaaccgc 120  
 ctttcccccc tactgcccac accactgcta gtccatgggg agggggctgg ggttcagggtg 180  
 ggacctcttg gttgggagcc tccattgcta ctttgcattt aaaggaccga gagtctcttc 240  
 aagacaagac cactgttatg tgatggatgg ggggtgtctg ttgctggatc cagttccaaa 300  
 aggtgcccag ggaacctggg gaagggtgact accctatcat ctcacaggga ctccccacac 360  
 tgggaacccc agcctcctgg ggtcctgggt ccaggggctc ttttccctg ggctgggtcc 420  
 atgggttgcg acaccacgg caccgggca ttccacgntg gtncttcgag gggagggtct 480  
 nagagggtcta agctncacct tctntttccc tggggtngcc agattcantc cttncct 537

<210> 722  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 722  
 agttttttaa taatgtcaca ctgaacaaca catttaacag ctgaataatt tgtaatgaag 60  
 actaagcaat agttaaaata taacattatt aacagttgtg gaaaatacag aaatttatca 120  
 tatcattaaa ccagttttta ttaaaaaaca aaatgtgatg ttaggtcagt tcagggataa 180  
 attaagccat acattatatt gacttccact tacatgagat tcctagcaat catatttgc 240  
 gcaatgatta cccactgact tgcattcatt ataacaagggt acaaataaac caaatggcca 300  
 aacagcaacc aaaatatatt gttttaagag ttaaacacat tcttaaaatt aaaatgctaa 360

aaaggtacct aaggggctta attgggggct ctcatatttc aa 402

<210> 723  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 723  
ttacaattga aacaggtcctt tattttacacg gaagcagaga gacagaggga tgagggcagg 60  
cacccecaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatncnttg ggactcacag ggtatgaaaa tgtgttaccc tccaaagcct caaaacaaaa 180  
gggttggtatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcattttggg gaaattcttt acagttaagg 360  
tgatgtgttt cttttcattg gttaaatttaa caggagagg catcattatg gggatacatg 420  
cagggtcgt gccgaattct tgggcctcga gggccnaaat ttccctatag gtgagtcgta 480  
tttaaattcg gtaatcctgt ccataggctg ttttcnctg gtggaattgg ttatnccgct 540  
tcacaatttc ct 552

<210> 724  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 724  
atcaaagatg gctcagagaa tggttaaggca acagtgagaa acatcagctg tacttgtcga 60  
gaaggtgtct gattacacag cgttaccatc ccagctggcc ctttgctata acagaggagt 120  
gggtgagtga tatgttccaa cagctggtct aaagaccaga ggcacagttt caggtaaagt 180  
gcaggaacag ggtagaggct acaggtggaa agatctagaa gctctgtgtc caacaaggctc 240  
ctcacgttct ttatcagcat ggactgactc aatctaaatt tgggtgtccc cctccacagg 300  
ttctagtaga aacctacggc atgaaggaat agaatgcaga cagantatag ttaaatecca 360  
aaaaagggcc cttttctttc aaaccctg 388

<210> 725  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 725  
gtggagatgg agtatgtatt tatttttaca aaataaatca ccatcttcgg accatttgta 60  
gactggaaca tttcgagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120  
tgttcgcgtc acccccaggg ccaccttggc gcccgcatga gcctcgnttc ccactcccgg 180  
cctccaactc ctttcctcgc cagccgccat tcaccttctg ctgtttattt gtctgcagan 240  
gcctgggaca ccggaagg cgattccctg agcgccctggg agttggagac aattcctggt 300  
tcagaattta aacatctttc taggtaagcg ntgctccaaa actcttcgcc gcgtgggact 360  
tttgaccag gggcggttgg ggagganttg gccctccacg gttcctgggc aaccgcggcc 420  
tttttgaaag aggttctggt caatatttaa cttcgaggga atttggaatt ggattccttt 480  
aagttcttnc cctgc 495

<210> 726  
<211> 501  
<212> DNA

<213> Homo sapiens

<400> 726  
ttccatccat ttagcaaact ttattcctga ccacatttta tgccctgggt gtgaagtggg 60  
acaaggaaaa tgactaagac atagcctaaa tttttaacaa gtaaactctgg ccatgcaacc 120  
aataaacagt tcttagtcag gtgcctatag tcccaggtag ttgggaggct tagggaagat 180  
gattgcttga ggccaggagt tcaagtccag cctggggcaa cacagtgaaa cctgggtctc 240  
taaaaaccaa acaaaaaaaaa actacagtgc ttctcaaacc caaatcacct tcccagggtc 300  
ctttctgccc aaatatccct caaaccaaca ggatgtgtgt tgggtaaatg ttggaaccaa 360  
ttgggctctc tggaaaaact tgtgtgtgtg tgtgtgtgtg cgtgtgtgtg tgtgtgtgtg 420  
tgtattaggt ctgtatttaa tactgggcta ttaggattcc ccaaaatttg accaggcacc 480  
attccccagg ccagcatagc g 501

<210> 727  
<211> 422  
<212> DNA  
<213> Homo sapiens

<400> 727  
agcaaggttt taatggaaag cataaaacac tggaaatatg gacagaaatc agattattac 60  
cctttttattt ttttcctgc ccctttcaca atgagactgg aggggattca agaaccactt 120  
gaaataaagg cgaaatgatt agattttttt ctctaatg cctaacgctg atgtcatggt 180  
gtacgcaaaa tcaacattga tctctaagtg aaagaggaga aacagaacaa catcaacagc 240  
ctttcgagggt aaactgtggg gccagaatct atttagggca acccgagggg cccaaaatct 300  
ctggaaaagc ccaacagtgg gagccagttt ctggatgctc ctctgttggg tgatctggat 360  
ctttgagtgg ggggaaatct ggtaggaaa cagcctcctc gaggggagcc ctccccctgg 420  
gt 422

<210> 728  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 728  
ttcacaaagg tttattgggt ccttgectgg tgctggtttg ggtagtcac tgtagaggat 60  
ccatctgggc cagcctggga ggggcaggtc tggagtcna ggcagacacg aaaccggggg 120  
tgacaccagg ggctttggag gctgccatgc tgaggacagc tctgggagg 169

<210> 729  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 729  
ttattaagac tgggtcacat ccagctagta catttcagtg ccctttctgg tgctnccctc 60  
caggagcaga cactgcaaat ttcagaacct ccatctagag aaaccacctaa cctgtgatct 120  
agcttccgag gctcagtgtt ggttcttctg gtagtctga tgtgtgggta cactgaggc 180  
caggccacag tcgcatgtac cctcctctgg gctgactcac gaggctacag gggacagcac 240  
acctaagtag caggtctgtc ctccagacat actcattaac aagcacgttc ctgggctaaa 300  
aaataaccag atcttttttg ccgtgccctt caggttggga gaaagaaaac ttcgagact 359

<210> 730  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

```

<400> 730
tttttttttgg ctatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60
aaagacttag ccagtaacac tacaaaaata gaaagcccggt taattcctgt gaattttatct 120
gtgtgtgtcc atgtccagta attattttcac tgtctgtctg aagtactaac aataactaaat 180
ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240
gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300
tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360
atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420
gtatttcngc catc 434

```

```

<210> 731
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<400> 731
ttagctggac aaagtacttt taatgcttat tttaaaaata tgtacctgtg gtgctaatac 60
taggcaaaga aaacaggacg attcaagagc agcctatgta actaccaact caagcactaa 120
cactagctag atcaccttca tgcttttaaaa tttaaagtta tggagtagct gtgcccaccc 180
ccccccaaa aaaaagcttt aataaaggca ctgcagcggt aactaagttt tagggtaaat 240
ttaggcaatt aacaattcga agagacttgt ggtttatgta ttagtaattc aaattactgt 300
tttagagatc tcaggtagtt aaccaattct tgctcaaagc actaatgttc agtccctcac 360
catttatgct gggtagtagt cccaatgcat gggtagtgca acctattgtc aggcctaac 420
atg 423

```

```

<210> 732
<211> 676
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 732
tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatttg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttaaaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420
cttaaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacagggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct 676

```

```

<210> 733
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 733
aaaagggaga gtgaggcttt ttattgtgta tgaattcacg tggtagcgac aactccacac 60
aatattaaaa cactgcgaga aagtgggtgc ggcacacctg gaattttaaa aaagtcagaa 120
ataaaaacaa ccagacatcc caatgcagat ggcatagaac ctgctagaac cacaggcggc 180
ggctggaaac aggagacagg tcttttacgaa ggttagatgg gcagcggttc cgtggacaga 240
ggaggaggcg cggctggccg gcatatggct tctgtgcaga gggcctggcc tcaggcggtg 300

```





gcttaccgac ttaacgct 258

<210> 738  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 738  
aaaatcagag actattttata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
tgaatctgta aacacagagt aatattttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
gatacttttc actgttctaa atgacaggnt tttaagcatt ttttctata tataatacag 180  
catcacttaa aatttttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 739  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 739  
aagatcctta aaaagtatct ttaattgatg ccaaataatga acagatcgta aagtgcagaga 60  
agcaagtaaa attgcataga tgaaaactat gcgcatcaat taggttctca attcataaca 120  
ttcaatgtcc ttgacctgac atattacaca gttagagaag ggagaatgag cagtaggtga 180  
agatgagaca cgtccttaac tcaaggtgga agcaactggc aaactcaaga aataaaatag 240  
cgtttttttca gcttaaatgg t 261

<210> 740  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 740  
aaacaccaat aaatttnatt ttncctcttaa gagagacagt cctgcttggc acagcagctc 60  
ccctgtcctt ctgcacctc tcagtgtctt ggctgtgtca tccttagaca atcgtccttg 120  
tctttatggg ccaaaatggg gtctgtacat ccagaccaca catccatatt ccatgctgca 180  
gaatggaaga gaggcagtga agggcggggg cggctcctgc cttctcagag ttcccagaag 240  
aaccctcaca acacatgggc tctcatctcc ttgtccgagc taagccactg accacagctg 300  
ctatggagta aggaaa 316

<210> 741  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 741  
caaataatttt attaatctgt ttggccaaac aggtaatgga aactgagaat aataatttgc 60  
taaaaagttc aggtcatgaa tgcccctttc cccagggaaa cagaagactc catggttaca 120  
gaatgcacca ttgggttatg acaacgtttc aaaataatgt ttccatttca tatgtaacaa 180  
tgtaaaactt aaaaatagta aactctaacc cctgaccctc tttacagatc tatcac 236

<210> 742  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 742  
tttttgtttt tttttttttt tttttttttt aaaattttta aaattttaaat ttattaggat 60  
ttattaacac aattacacag aataaagttc aggatttcat taatgatggg caccaatatg 120  
tgcttctttg tggcttttta acccataatt ctcatgattc aaattttatt atattatagt 180  
tgaatttcat acacagcttc acaatgtgga tattacaggt ccaccagtaa aattaatgaa 240



<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 746  
aaggactttt tcccctttaa tatgaaagta taactacagc agttcaatgt acaaatacaa 60  
aaaaagtctt cactactaaa aaaaaaaagt accataatac tgtacatata aaaactgttc 120  
aacaagaatg atttaaatat gtctgttctt gtccagatct ggaagacaca aatgtaaagt 180  
tctgcaactg tattattgct aagaacatgt gcctgggaac actgtgtttc cttttctctc 240  
cctcagccca gcccgcctc cagagtcctc tgagcttggg tcatgagcca acagcatccc 300  
tgaagataac cagagccaaa tgtttactca atggaagtca ttattcagtg agctgctgct 360  
taccataaac tnatgaaaag cacagggtt 389

<210> 747  
<211> 318  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 747  
attatattatt tacatataca acacttgtga aaagggcgct agataagtag aacaagaagc 60  
ccagtttctg gtacatcctg cntctcagtc acctctaggt ctctggaact tgaaagctat 120  
gtctcttctt gcagggttct gttacaatcc attgattttc cctcacggta taaagttccc 180  
tttgcttaag tttcactgga ctatttcccc caaggtcatt ctgacaaatg atgttctttg 240  
ttgtttatac tgttcaataa gatttcatct tgaagaacat gatgnaatca tgtgacgaca 300  
ttcnttcccg ttattgaa 318

<210> 748  
<211> 395  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 748  
gaattgtaat aagctgttta tttacttttg ccccatgagg ctatgaattc ctccaggaca 60  
aattggctgg cactttgctg ctgtttaata aatatctgac aatgcatgaa tggcagtgtc 120  
ctggcagaaa acagaatagt ccaccttgag aggcaacaag tcctaacagc tttttgttta 180  
cncagaggct gatccaccct ctctcagaga tcttagaggt ggtgctgaag attgataaat 240  
aggacacgaa tgccctaggg tcccttctga catggtgatt atggggcagt gactctggca 300  
gggggctgna ggggatcttt gaaaagcaac caaggcccg ttgagctaat cacttgatat 360  
cagtttgggt tcacagcagc ttgtgttcca gaaag 395

<210> 749  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 749  
ttttttttt cccatacaag atggtttatt ttatcttaca cacagaaaat tgcttatgag 60  
tatcacatta ccgctcttgg ttatcagtta acaaaggctg ctaatgaaca gcatcgttat 120  
caagttgggt aagagacgcc ctgggagtc aggcaaatca tgacaacaca gcactttgtt 180  
ctgaaatata gtcctcttt catcacacac aaggagggtg gccagtcctg agagatttcc 240  
tggaagtgg aaaggcaag aatattccgt gatgtgatcc cagaaatata ggggttaatat 300  
tacaaggag agaaatgctc acggggcctt agcctggatg gcaattgtag aatgtcatgg 360  
ctttccctca gcctccacca gtccatgtct tcctatgcaa cagccattgt acattggtaa 420  
ataataacca caaaataatt tgtataaggg ggaaa 455

[illegible]

**<220>**

**<400>**

<210>

<400>

 $\langle 210 \rangle$ 

**<400>**

 $\langle 210 \rangle$ 

**<220>**

<400>

**<210>**

<211> 445  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 754  
 tttttaattg aagaaatttt ttaattaaaa aacatttttt tgacggcttc ttgttgagca 60  
 gggctacccc acaggccatg tgcctagagt ggccttaatt gaaatttttg ttacaatcat 120  
 tgtagattcc tgtacagtta taagaaataa aacagccggg cgcggtggct catgcctgca 180  
 atcccagcac catgggaggc cgagacgggc ggatgacgag gtcaggagac cgagaccatc 240  
 ctggccaaca cgggtgaagcc ccgcctctac caaaaataca aaaaaaccag acgggcgagg 300  
 cggcggggcg ttgcaagtcc cagctactcg ggaggctgag gcaggagaac ggtgtgaacc 360  
 caggaggcgg cttgcaagcg agccaacacc gcgccaccgc actccagccc gggcgacaga 420  
 gcgtctccaa aaaaaaaaaa aaaaa 445

<210> 755  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 755  
 tttttttttt tttttttgct agtaactgtt tatttcactc tatacatttg gaaacgtccg 60  
 ctacatagct atggctactg tgaccacaaa caacagatgg tgataaagca ctgaacagga 120  
 agaaaaatgc attccaccct caaaagaaat gaaccagtgt ttataaagac aacagatata 180  
 gccttcatcc ttaacaaata tatttctttc ccagtatttc cccaatataa aactgaaga 240  
 gtgtttatat atattcagtg caaggaatag tatcattggg acaactggac cacctctgga 300  
 gaaagaatga aattgaaaca tctgtttctg aatacatttc agtgtggtgt aataatatta 360  
 cactatagtg atgtgggaga ggctcctcta gcacccatct gcattccaca tggaaaaa 418

<210> 756  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 756  
 ttatgaaaaa tccaaagtgt attgcaaatt gtattttgct tcccttcggt cttcattttt 60  
 acaggattta ttgatatcca tgattttttc acagatgtac ttgttgactt tggagagtct 120  
 ctgtgcaatt tcagtttcat ccacagtttc ttgtgctatt ctgtcataca aacactctct 180  
 gacgatgctt agtttgtgag gcgagagggg tggtttaggg actgcatctt tctttttttt 240  
 tgtggcgacg ctggtngacg cttctgtttt tcagaacatc ctgttcccca aac 293

<210> 757  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 757  
 agatagtagg atttatttta atttttcaat ctgaaaaaaa aaaaacccaa aacaaaaaaa 60  
 aacaaactat cctcatatat atatatacag tgtcaacatt ttcagagcac ttacattagg 120  
 aaacattgtt tctcttcaac tgtatgacaa tactgtatat gccacaataa aatttacaaa 180  
 aacaatcgca tcagcagtca taacaaacat catgatttta catttcaata cacaagaaaa 240  
 aaaatagaca tcttcccggc acttggctcc cgctgacgg caacgtctcc tccacacttt 300  
 gagagacctc agcttttaaa acccagcagc 330

<210> 758  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 758



ggctcactgc	aacctccacc	tcccagggttc	aagcaattct	ccccacctca	gcctccaaag	120
tagctgggat	tacaggcatg	cgcaaccatg	cccagcta	ttttgtaatt	ttagtagaga	180
tgggttttcg	cttagtagag	atgggggtgtt	tgccagggtg	gtcccgaact	cctgacctca	240
ggtgatccgc	ccacctcggc	ctcccaaagt	gctgggggtta	caggcttaag	ccaccaagcc	300
cggccgacct	tcttctat	ttccattctc	ctttccaaag	ccatggccat	gcgtcctgt	360
gtacagggtg	ataaacacat	cagtgtgcc	tccctcacat	gcatgtcgtt	ccccaccct	420
ccttcccagg	gcttctcttg	gctccagcgt	tcctctggga	ccctctgcag	atacagcctg	480
tgctggaccc	ccagccaggg	tgaaggctca	ttctgctctg	tcttcccaa	tgctcagtt	540
tcccaaaaag	ctgnttcagt	ccttctagta	agggggtcca	tggggcaang	atcccttang	600
attaatcttc	cncttgggga	g				621

<210> 763  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<400> 763	ttttctaaaa	aaatTTTTTT	aatcagttta	aaagttcgag	gaaaaagaaa	atcaatcaga	60
	aaagcaacta	taccaaaca	gggttatcca	agtgaacttc	tctcacttcc	ttagatggac	120
	ttcagcttat	aggatgacac	gagatgcgag	taagaagcta	tttgcgcat	tcagctgcgt	180
	gacttggtgc	tgcgttgctt	tcctttcttt	cttctgtgga	ctgagaatgc	tagtgccttt	240
	gaatttgctt	ttacaggacc	tgagggtctt	ttgatggtaa	gagaatgaat	gatcattgct	300
	gccttgagtt	ctgtgtgatc	cgtcaggcct	cgcctccagg	atggcaattg	tagcctgaga	360
	tgacgtagcc	caagttgcac	agcagagttg	ctgttctgga	aacactgtgc	cgagtgaacca	420
	ccgaccttca	cagtgtctagt					440

<210> 764  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 764	ggttcttttt	acatgtagca	ggcttattta	ttgttaaatt	acananacaa	tactacnatt	60
	acnacagatt	aactcagcaa	tgagaaaagg	ttgagtgaag	atgtcaaaga	gttaatttaa	120
	ccctttccgt	tgtaaataat	ttacactcgt	tctgttattc	aacaaatata	tatccccact	180
	ccccagaaat	gtcattttct	taattctctg	tgtgttatat	attgttttct	cctattcact	240
	caaataata	cacnaaatcc	aatatacagg	agagaataaa	ggcagtaaaa	agaaataata	300
	tacagagtat	gataaatatt	ttttaaaaga	gagaaaatat	atactgg		347

<210> 765  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 765	tttttgaggg	aacatcatgt	ctttatttga	ttaatacatt	cttcaatata	ggcaacttaa	60
	ggcagaggcc	acgtgtcaaa	cttcttttga	tgtttctagc	acctttcaca	atgcatgggt	120
	catggcaagt	acaacaaatg	attgaattcg	attaaatgta	ggaaaatgac	aagattacct	180
	tttccaatat	gtcgcttagt	gttttcaatt	gtcgaattac	gattaacatt	tgacaacaaa	240
	ccaagcaga	atctactttt	gttatttgaa	ggatctgtga	atccatctac	taacacacta	300
	gtagaagatg	catgaaaagc	ttctccaaca	cgattgttta	attcatagta	gactattgaa	360
	caccaatgtt	taggctcttc	ataggcaaca	ggctgaacat	ccctgctggg	atatactggg	420
	cataatccgg	a					431

<210> 766  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 766  
 ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
 gagggccccg gatcggtccc tcattcctcc tcgtcttctt cttcttcctc atcgctcctc 120  
 tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctcgaggagct 180  
 gcggcggcag tcggaccttc gtccttatgc tctttcttcc acttcctgag gcggttctgg 240  
 aaccagatct taatctggcg ctcggtgagg cagagcgccg tgggcgattt caatgcggcg 300  
 gccngtaciaa gggtaaagcg ttgaagtggg actccttctc cagcttccaa cgtnccttggg 360  
 tancccgctg taagggtttt gcgggccccg gtttctctgt caaaggctcc tnaagaacgg 420  
 aaatccaggg gtaaaatgcy gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 767  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 767  
 ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60  
 ccaaaccctt tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120  
 tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180  
 atatcaggtg cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240  
 ttcacaaaag ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt 300  
 aactttcggg ctcttgctta tttattcata tctgaggttc actgtttcta ctaggataca 360  
 ttccgcccac acccacacct c 381

<210> 768  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 768  
 ctggatcttg ctctagtgtg agcactcctg aacttcacat attctccttg tcccaaatgc 60  
 aagggtttac tctcaagaga ctctaggctc actgcccata aacctttgag ttggacccaa 120  
 tcttaacatc cctgtggatt tgctcatact gccctgggca gaactcttct cttctttgga 180  
 agtctgaatt acttcattat tgacatctat tttgaaattc tgttttacag ggtttaggat 240  
 gggggtaggt aggacagga aagagagtag agcattctct cttttctagc aatttccatt 300  
 atcatgcccc ttctagcttt tagaccagca gttctgagac agggat 346

<210> 769  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 769  
 tacaatggct ctgaaaaaaa tttattgatg gatctgagaa ttttttcaca catgaatcat 60  
 ttctccttcc aatggttatt gatactgata gaagttcccc gctgagactc cctggaccca 120  
 tggtttgtgc ctgctgggca tcccactatg ctgattccta ctctaaaaga cacttacagc 180  
 agaaagcatt caccatgac cattatgaag gaaatattct gtccctcact caccctctgg 240  
 aagctaatat ggagcagcag tcaactctatc cagagccaca tgttcacagt tctctagcaa 300  
 gcaggtcaca ccccggtggg cccctattcc ccgtgacctt tgttgatcca tctcttctc 360  
 gctcagttgc tcccctgctc acctggactg 390

<210> 770  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 770  
 ttttttttta caggtggcac tgtttattat tgagtttcat attttatatt gtgtatttta 60  
 tatttataat tagtactagt tacacatatg acatggactt cttcaaataa aattcccagt 120



tatgaagctc	tgcagagacc	gttccacacag	cctgactaca	aagatcaggc	acctgaagac	180
gcatgtcctg	atggatacat	tcagtgtctgg	ctgaaaagcc	aacttcagtg	tgtgccctac	240
cactgtggat	atttaaataa	aacaacggtt	tttcaaacca	tgagtcagct	ggaaggatgc	300
ccacgccacg	cacactgcag	cactggggagc	tgactgggt	ggacgggaag	gacgcaaact	360
ccaagcagct						370

<210> 771  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 771	attaatgcaa	acatattttt	attaaagaat	gaatgcattt	atgctaaaga	atagcttaca	60
	tatgttgtaa	agcaacaagc	atatcttcaa	gaagtgcagtc	ctcctcaata	tgactccatg	120
	cttattctac	atgcctgaaa	actggggcca	cacacagggg	cacacgtaca	cgcacacaaa	180
	cgagatac	gacacacaga	tatgcagacc	gaaatgctga	caccatcgct	ctctagattg	240
	gattagctct	catttaaggc	ttcttaggtg	ccgcagtgcc	cctaataatta	ccaggattga	300
	aaacagactt	ttaggaagga	gcagcattac	ttcgaaaagt	agtcatctgc	tcttgctctc	360
	caatgtgtgt	attttaacaa	ataccattta	attctatggt	gac		403

<210> 772  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 772	tttttttttc	gctacaaatc	aaaaggcttt	attccttata	taaaccacaca	cttagaaaaa	60
	ataaatagtt	aataaattat	aggcaaacca	gttgggtctca	gccacgcctc	ccactgaggt	120
	ccagggcagc	cgctgcagca	gcagacgagc	gggaagggtgt	ggccacagct	tggctcaagg	180
	gcgtgggtctg	gactggggac	gaaggggacag	aggaggaagg	caagggtctgg	gtgagggcag	240
	ggatgggggc	taaagggtggg	ttcctgaggg	gtgcccaggc	tctggcccgg	gcagcagggg	300
	tgaggcaggg	gctcagctcc	tcttgggctt	gggtgatgcg	gcgtgcgaac	ggctgcgctc	360
	ccgagcaagc	tgctcccagg	ggccttggcg	ggcggcctgg	ggcgccctctg	cccagacagc	420
	caggaaatgg	acagtgcctt	tctcgagaga	gcgcaccttt	ctggccctta	ggggagtctc	480
	agggtccgga	tcatgagtag	gggt				504

<210> 773  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 773	tttaacattt	aagacagctt	ttattaaata	caaaagcaaa	ataagctcta	aggagtaagg	60
	tagggctact	taaggggcgtt	ttctgtggac	agcggacaca	gcaccattaa	ggttagctta	120
	gatttgaaca	aaccatgagc	agacagctaa	ctacatgtta	tgtttctctt	agtagtttta	180
	gggtctgccc	agtaatacaag	aaattttact	tctccagaat	acatgaacat	gggaacaaaa	240
	gaaatgtaaa	tatttcgaaa	aagcactaca	caataaaatg	agacgcaatc	cttatgcagg	300
	tcaagatgtt	ctccacatct	acaatgtgca	ttaacaaaat	taatgcagat	aagaccttca	360
	ctccaacccc	aaagatctta	catgggttaat	actattttcc	aaaatcagca	gaacaagctg	420
	cagttac						427

<210> 774  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 774	aagatctata	aatatattta	ttataatata	acaagaactt	aacagtaaac	atatactatg	60
	tacaatacca	ttacagagaa	ccctgtttta	tatcattcac	agaaatagcc	agttttgctc	120
	cagtgtgata	gatgaggaga	gaaacgaatt	tcaatgtcat	ctgtgttgag	tctcgctgac	180
	aactagaacc	tcctttggcg	tcagacgcac	accaatgcta	acattagccc	tgccccaggc	240
	agttaggaat	ttgtgctcca	gtccttgggt	tcacacttgc	accctgtttg	acataaatac	300

tttaaataac atacaatgta ttagtatttg tgcttattac tttttaaaat aataaataat 360  
at 362

<210> 775  
<211> 476  
<212> DNA  
<213> Homo sapiens

<400> 775  
tttttttttt ttatgatttc acattaagtt gtctaatttg ctttggtggtg gtgggttcat 60  
cccgtacta cccataaacg aatcagtaaa tgagacttag tttccaacct tacttcccga 120  
ctagacaact gcatgaaaaa ttggatagcg aattatgagt ccaagttcta tagctggcat 180  
agtccctcatg ctttagcccc agcctctgag cttagcagaa gacatttttg gtccttatat 240  
attgctagta ggattgtata attcttgact gtgttgacaga atcttacagg actacaaaac 300  
ttaccatgat gtgtcttata aggaagactt gccaggcaaa ttttcgggca agccagcaaa 360  
atagttaaag taagagtaaa gaggaacacg tgaatgatgg ggagttgggtc taggaaaata 420  
ttgtgaggaa aataaatgaa attctatggt tagccaaata gacaaagata gcttct 476

<210> 776  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 776  
tgggtttgaa aacatgtatt attagaggca catgtttaaa aacaagtaca gtatgaaatc 60  
ttccttttca gtgagccagt gaattttcat tcgtttgttt gtttctatga atatttggtt 120  
tacttccttc ttctgggcaa gattagtatg caa 153

<210> 777  
<211> 486  
<212> DNA  
<213> Homo sapiens

<400> 777  
cctaaatggt tcaatgccat aaagcttaca ttcccttgaa gcagagtaca ggaaacctta 60  
gcaatatgct accatccagt aggatataaa tataaagaag ctgtatcagc aagggatgct 120  
cagggaatgt gtttgacgac cgtttcacgg tagccgcttg agaggggata ttggaagtga 180  
gtgactttct ttcatgtggc aaagtctcct tatctcagca cctactcttt ctgatggtat 240  
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat 300  
aacgtttatg ttgctcagaa taggcacttt ttgaaggcag taaatctaaa agtaaagtta 360  
atagagccta tatttagtgc tcatctcttc actttgctga tgtgtatgct gaacagaaga 420  
tcacagattt gagtcatgct cgcaaagagg ccggagtcgc aaatggctat attcagagct 480  
ggggaa 486

<210> 778  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 778  
attaataatt ctctatttat taaaaagggt cctacagctt tacagccaca gcaccggaca 60  
cggccctgga cagcgacggc gagcccgagg aggggcccgt ttgcaacttc aatgccaagc 120  
tcacgtctgg ctgacgacgt ggcaggctgt ggcaccccg acagcggcg gtggcggagg 180  
tatgggggag ggtggcaccg ctcaactcag attcacagaa catggcaagc ccgctgact 240  
ggcatggcag tgaatcgtcc tgtacagctt catttcaaga aaacagttaa cagtaggagt 300  
tcaaagt 307

<210> 779  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 779  
gaccacagaa gtttttattg ccctcctgct ccgcaaaggg accttgcttc tgctgggttta 60  
gcacctcaag acgtctgtga tgttggtctc agacaccact ttgccgtcca ctatcctgtg 120



<213> Homo sapiens  
 <400> 784  
 ttttttgggta gggatgggtat gaattttaata ttttttagta ttacaatata ttcttataaa 60  
 aaaggtgcaa gtgaaaaaagg aactgtaga ttatgtccat tagcctcatt tgtcatctga 120  
 ggcagctggt gagaacagcc ttgggtcgaa ggcacccctg gtagaagtcg ggggagatag 180  
 atagtcacag ttccccagtt ggtggaaatg ggatgggagt agggagaggc tggaacagac 240  
 ccttccccat tcacctggag aattttctcc tccactgcc ctaaactatt tatttccatc 300  
 acaggggaga aatgctgctg agaaggttgt gtttgtagg ttgatgacga attttacatt 360  
 ggccacaaaa ttagctagag aaacttatct aaaggtggca ggagcagtgg ggagggcatg 420  
 aagaaagcaa gacc 434

<210> 785  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 785  
 ttactgacac acagctgtat tgtttatttg ctgatgtgag tattacggta ctcatccttt 60  
 tgtgcatgta aggactcatt tctcctggat gtgtaagcaa gagtggaaat gctaggccat 120  
 agggtagatg cgtatttaac ttgatgagaa gctgttcagt ttctgcccgt gggtgcaaca 180  
 aagcacattt gcaccagcag cgcctgggag ctgctcttct ccgtatcccc accagcattt 240  
 ggtactggca gaccttctcc tctgagctat tctgatagtg gggcagtgcg atttcacggc 300  
 ttttaatgag atgtggagca cttttcagag gctggcctgg tttttgtagc tgccctaggc 360  
 acnctcgagg agggatggga ggggggttgg tgaagaggat gttc 404

<210> 786  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 786  
 aagtttcttg gaaatttttt tattctcctt gccaacattt cttttgacat tttattactt 60  
 aattatgtga cattaagaaa taatttggtt gcatattatt ttcaaaaagc agtaagaaag 120  
 tagctattga gaaagaagga gggccatagg tttttcaata aaacgttaga aacattataa 180  
 aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240  
 acaggcttgg ttcgaaatag agttctccat ttctttcaga tgagcctttt ttcttaggct 300  
 ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360  
 caaaggtatg atggcagaat catgagaaga tggaaataag gcctgaggat atggcttgat 420  
 c 421

<210> 787  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 787  
 ttttttagaa aagaagttgt ttttatttta attcaagagg gttggaaaca taaaaacagt 60  
 acattttcct tgcagaaaat taccctattt aaattactat ttggtacaga gattatttat 120  
 tacactgcat tttaggcaat tttctaact taagtgacaa gttatacttt tgattttttt 180  
 tttcacattg gagctattat gatttgcact cataatacca aagctactga actcaccaat 240  
 ttttttctta gtaattaaaa aaaagcacac agaaaatata actacaatta gattaacttt 300  
 atcaaaaagta actctttcag accaaacatc cagcaaaac 339

<210> 788  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 788  
 ttttaagttt ttttcagttt attatttcat gatccctagt caaactga taccacaaa 60

taggatttttc	cttccttcct	ctgaagatta	tttcaaaaaa	tccaagagga	ataacagact	120
ttctggatgc	tgctctacca	tggtcttctg	ttaaatcaag	ttccttttcc	cgcaattgaa	180
ggatgttgca	gatgtgaaac	gtgtggtaaa	gaacattgtc	tttgctttca	ggccccacct	240
ggccctttct	ggccgtagct	ggtactagat	tttgataaaa	gtatccta	actcagggac	300
tattttctcaa	agaccagaat	cccaagagcc	agagactgga	tgagagacac	caagcacaag	360
acagcaat						368

<210> 789  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 789	tttttttttg	tagttcagaa	gccaaccctt	attttattaa	aatgtgtaca	agagatgggg	60
	aaggaaaagg	accagactgt	actgtggcca	tgtacacaaa	ggcatgcacc	acatcccagc	120
	tctgctgccc	tggtctgtcc	cacaggcagc	tctctagaac	ttgagagcct	caaaaggggc	180
	ctcatgaagc	ccagatcttc	cctgggtcaag	ctgatggcat	tcgtataact	gaaagttggg	240
	gaagaccacc	aggtcagtgg	agtggagagg	ttttgtatat	ggctcttctt	gaagaaactt	300
	acttcttgca	agccctggca	tcttccaatt	ggctgtc			337

<210> 790  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 790	tttaacaaaa	tgctttatatt	ctatttttta	atgagaggca	ttcccatgaa	atatcaaaag	60
	gcattttacat	gtgttggttt	aactcttctt	ttttgatcac	acaaagtagg	tagaaaagat	120
	ctgctgaaat	agagcaaata	agaaaccaag	tagtgtaagg	cattaggaga	tacatgaaga	180
	gaatcgctat	ttgcttcttg	tacagcgtgt	ggcaagtc	ggttagtagt	catcgtagtt	240
	gacgctggct	ccatgcctaa	agccgtaggg	gtccggggga	ccaattgcag	agtcttcac	300
	atagtgcgt	tggtagtaat	cgccatagta	ttcatgtcca	tttcgatctc	tgtaaagcca	360
	ataggtgatg	tcatcttcaa	atttcgcttc	gtcaaagccc	atgtagagaa	ac	412

<210> 791  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 791	tgcggccgcc	ctccgtggaa	aaccggccaa	agatctcagc	cttcctgccc	gcccggcagc	60
	tctggaagtg	gtcggggaat	cccacacagc	ggcgtggcat	gaaggggaag	gcccgggaagc	120
	tggtctacaa	ggccatcgctg	cggggcgagg	agaccctgcg	tgctggggac	tggtgccgtct	180
	tcctgtcagc	tgggcgggcc	aacctcccct	acatcgggcg	catcgagagc	atgtgggagt	240
	cgtggggcag	caacatgggtg	gtcaaggtca	agtgggttcta	ccaccctgag	gagaccaagc	300
	tgggcaagag	gcagtgcgac	ggcaagaatg	cgctgtacca	gtcctg		346

<210> 792  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 792	gacagacatt	caagacaaac	tgtattggaa	atacaataat	gaatttttggc	ctgatagccc	60
	tcatgctgtc	ttatagcaaa	acactaaaat	tcatgcaaca	gagaaattgg	tgacatgagg	120
	actttttctc	cagacttcct	ggggaaaaac	tgtgagaata	tacttttttc	ttctgtttgc	180
	tttcgaaatg	cattctttct	tttgctgact	ttcccaaact	ttcccgatcg	tttctgatga	240
	aaaattcttc	aataggaaaa	gaccaggtaa	acttacatga	aagacatcaa	gtatcttttg	300
	agctccttct	ctctgccaga	ggagcaatca	actggattac	acaaaactac	cttcacaact	360
	aaaacaggta	gaattggaac	aggaattagt	tgtcattaat	atactcgtaa	taaaataaag	420
	cttgttctga	aaccacaagg	ggt				443

<210> 793  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens  
 <400> 793  
 tttttttttt ttcattgtac aatatcttta ttaaagaaat gcattccagc aacactgtca 60  
 gcattctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120  
 gcctttgcaa aacaaatgga gatataatcaa ctctcataca attctaaaag cattgtgctg 180  
 tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaatagga 240  
 caattgttca ctctgaggct tctggcttct tatctctcct ctcttgggga gctgctgctt 300  
 ctctgtaggt tgcttccctg tgacgcaggg accatagttt ctgctctaataaacacctttt 360  
 ccactctgac gtagctgagc catacactac attgccttag tctgtttcac cttttggtga 420  
 ttctgttcca ttgcccact ggctcttcc tcc 453

<210> 794  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens  
 <400> 794  
 ttttaacaatt gcaaagattt tatttagcgg ctttctgtgc ttggccttag aaacagagtt 60  
 ccgtgcataa gggcaaattt ttgtacacct tttcttcata catattttac ataccctttt 120  
 attgccccct ttttcatatt cataatattg gattccccac taggcacata aatacattta 180  
 tctacaacac ctcaaaacca gaaactttta taatatctgt attattttac ttggtattat 240  
 ttgcatttcc acaccattta aaaatttttag cttgcaccaa gcttcacttg ctttcttacc 300  
 attaaaagat ttgaagggaa agggaaagat gaaggacaaa acccaaaact tcaaaatgca 360  
 atgtactatt tgataaaaat ggagatctaa gggcaggtag aagggtatag aagacccatc 420  
 tg 422

<210> 795  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens  
 <400> 795  
 agaacaaaat atatggtatt tattaaacac atgtgacata ggttataata tcaaagtaga 60  
 gcatgcatga acagatgatt cattcgttta acaaaaacac caattgatac tgagaacact 120  
 aaattattta atttccaaga catataaaaat tctctttaag ttaaagttag aaagaaaaaa 180  
 aaatcacaag ttgaataaat acagtgattt cagctggtcc aatgaaagca taaggcacia 240  
 attaaaccaa gggactagcg catcagaatg aagcttgtct ggcccacaca agtctctcag 300  
 tgtggctccc acgaccctgc acagatgctt gggaccaaga ggaaagagca cctgcaggcc 360  
 gggaaccctc ctttccagggt tcaagtttgg ctgggtgccc atgcttcttg tggacaggcc 420  
 tctctgtatc agagaaacgc tgcttctaatacttttatgg gtaaacaaaa ctttcatgct 480  
 ctatcaaca atcctggcat gaataacatg aaac 514

<210> 796  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens  
 <400> 796  
 ttttacattt ggaaaatata ctttattcaa taatataaac aatgtagtag atatatttga 60  
 ttatttaata atcattttta gtttattgta cagatgcaca tgtcaataat tagtgttttt 120  
 cagatgggat gatatacatt ctgcttttat ttttatctct ttggtaacaa ttattgacag 180  
 aacaatgaaa caaagataaa ttgttttaca gttgtaatac ccttgtagtg taattctcag 240  
 cctcttttat cttatattct actagcactt acatctaata ggtctcaata aagtagaaat 300  
 gtaaaagtat gtattttcag aaaaggatcat atttcataaa gattctgtta ctatgttagt 360  
 catttatcat aagtgttaag tctaagaaaa gttgtaatag a 401

<210> 797  
 <211> 408

```

<212> DNA
<213> Homo sapiens

<400> 797
ttcattttgc aaattttaatg taactctgat accaaaatat gacagcacac agaaagcaaa      60
caataaaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc      120
ataactgcct tgactgctgt gtggacaaag attccaagga tgtactttgg ctccatggga      180
aggactactg caattttatta gcggtatctg taaacatggg gaataaatct gaaacctcac      240
tagccatacg agaagccaca ggcaccaaga ctggcggtct cactgccaaa gccagcactg      300
gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct      360
gtgctcggtc caccgctgaa gccactgggtg cttgggtccac tgcagaag      408

<210> 798
<211> 175
<212> DNA
<213> Homo sapiens

<400> 798
tttagaatgt tcatagcagc tttattcata atagccaaaa ctggaaacag cccaaatgca      60
tagtaacaga atgagtaatt tatacaattc aatactgtat acaacagtat gaatgaacga      120
actacaacat gcaacaatac agatgagttg tatagacata ctgttgagtc aaaga      175

<210> 799
<211> 478
<212> DNA
<213> Homo sapiens

<400> 799
ttttcccagt ttcaggtacg tctttattag cagtgtgaaa atgaactaat acagactgga      60
agccttgtga caggaaaact gaacatctga gacatctata ggaaaaaaag atctgcttac      120
atccagtcct tggagttcca gtagactgat ttattcacca acagcattgc tctccagct      180
ccattccagg agacaggcac cccagaagta gcaggactgg tagacatcac tagtattgta      240
tatgtgttgt gcatgtatgt gtgttgaaga agaggatggg gaaaacaatg atgggtggtca      300
ccaggttaaga tgggaccagc gaagggattg caagtccagg ccccatgaac acccccaaag      360
aatgcccctc ctcttggaag taaaagtggg tctggatcca gggagatcaa cagttgcaag      420
ctgatattaa gagttgtcta ttggatctgt tctaagggat atgttatgtg aagccaat      478

<210> 800
<211> 408
<212> DNA
<213> Homo sapiens

<400> 800
atcttaagag tctttattta acacatatag tacacatttt cagtcatttc atcatcatcc      60
aagtacatta agatacatc ccatgtatat tacaaggctt attgttctact catcatcttc      120
cctttctact ttaccttctc atttcttgaa gtctctatcc tattaattt gttatttagt      180
tacagtcctc ttttcagttt cttcagatgg ggatatgcag atgatagatt cttggaatcc      240
tttctgcate cttttcactc tggcaggtga atgatgcttg gctggaaaga gacttcttgg      300
ttactttcct tttctcttaa caggtataga tatgattcca ctgtctgata ccagtcctaat      360
tcttttccca ttgcaaataa cttctttctg tctggaatct tatatatt      408

<210> 801
<211> 110
<212> DNA
<213> Homo sapiens

<400> 801
gatccctgaa gttgccctgg tctctgcacc ttctaaacct agttcttaag agctttccat      60
tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg      110

<210> 802
<211> 223
<212> DNA
<213> Homo sapiens

<400> 802
cagaaaacta aagcagcacc tttattttat acatacaaac agtataaaat gtttattagg      60

```

taagagctgt	gttttsttta	caatatatta	tatybscttc	avrcgccaat	gcaaaaavvgt	120
tcatacatta	tattccctat	ttcattgtgt	ttagaatata	ttatatgtt	taaatgmcac	180
taccacagt	g	taattttttt	ttttttaata	ctgaatctct	gga	223

<210> 803  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400>	803						
cgttcgtaa	atctttattg	aygcgtggac	actcctbccc	ctccagcccc	gccccccagc	60	
cccagaaata	ctagaaagcg	caccataaaa	cgagggcacg	agattgtbgt	cccattcacg	120	
acggagctga	gggggaggtg	tgcaggttcc	agcctagatg	ttcaggattg	agatgtgggt	180	
cgtgaaagga	aagtgggttt	tccgggatgt	gggggctttt	ctvagcactg	gggccactga	240	
cgctgctgyt	cccaaggggg	tgctaggacy	ccgytcaggc	aggggtgggc	tcg	293	

<210> 804  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens

<400>	804						
ccaaatttca	aaaagtttta	ttttgaaaga	atgagagaaa	taaaacagag	aggtatcaat	60	
taccaagaac	aattacactg	aagaaaacac	aataataagt	actctccac	acaaccccc	120	
ccatttcccc	atccctggca	caataatatt	aaaaccacca	aagcacacct	aacaaggaaa	180	
aacaacagta	cgtaatgaaa	aaagcaaatg	tccatactgc	tcagtccaac	taacccttat	240	
gaaatgtcct	tccccagct	aaaccctacc	cactggaatg	ataaagawat	gtagagacaa	300	
ccctagggga	gacttggaac	tctgcttata	ctagcaaagc	tcagtgaaga	atcagtaaga	360	
gtagtgaatc	tgtttggcag	tgaacactgg	atatagcttc	tttttcaa	tttggtgat	420	
tgcagagaac	aggtagagtt	tgaggctcac	agacttctaa	caggactgat	ccctgttccc	480	
tcaaccgtaa	cagtggggba	gctgccaaat	cctgggt			517	

<210> 805  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<400>	805						
gcataaaaaa	cacaatgvtt	taatttctaa	agcacttata	ttattatggc	atgggttttg	60	
vgacaggtta	ttatagtcca	cataggtaag	tatgcagtgc	ttctcatgga	aaaaatgctt	120	
aggtattggc	cttttctctg	gaaaccatat	ttycctttt	ttaataatca	actaagatgt	180	
atatgtaaga	crgcctcatc	ttttgatttt	taatatacaa	gatgctttc		229	

<210> 806  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400>	806						
gaaacttcat	taaggtttta	ttcagtgtag	caattagtgt	cttcaaaaat	aaagtaagt	60	
gaagcagaat	tactttaatc	aactaacaag	caataataaa	atgaaacaaa	atatttgttt	120	
tctgtgtctc	atttttttgt	tgtatttttt	atatttttta	tattttgaga	caaacttttg	180	
ctcttggtgc	ccagactgga	gtgcaatgac	atgatctcac	ctcactgcaa	tctccgcctc	240	
ctgggtgcaa	gcaattctcc	tccctcagcc	tcccgagtag	ctgggattac	agg	293	

<210> 807  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	807						
aagggttgac	ttagtttatt	gattacctgg	gacctaactc	atcctcacat	cgccaggtga	60	
attcccaaaa	actctcatag	tgctgggttat	agtggtagag	gacccggtgt	aagggtgggg	120	



aacccagatc caggaggggtg ttgtaggcgg tctgctgctc cttcccacta gtgtagccat 180  
tgaagagatt ntagatcttg tctgctatctt cttgagcctt gacatcatcc accacggggc 240  
atgggggtctt cacgatcacg tcg 263

<210> 808  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 808  
ganttgnncc nnngtataaa aatgtacagt ggtttttattg acatgtacat tccaatatgt 60  
ttacagctgc aagataatga ggcacactca gtattgcact tcattaaaat ttcagggtca 120  
aacttaacct agaagtttaa atgaaattgc atttgttaatt tagtaattct tatacaggac 180  
aaacattgat atgtttatat acagtgtgat acttattaca tttatatgct gtcctaacac 240  
aatgtttttt ttttttttaa ataacagtct aggggaataa accagaata 289

<210> 809  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 809  
gagatacaag gttgaataaa atacagaccc tatcatcaag gataattcta gtgacaatta 60  
tatttcacat tatttctgtc aggtcttgat aatattttta tcacaggaac caccatagca 120  
gtccagactc attttattat ttatcatctc tcagtaactg ctccgacagt gggcaacaaa 180  
gggtattgaa tacttatatt tcaaatttta aaatttatga taatttgga gggaggtgaa 240  
aaaaccttac tagggaaaga caaacattca ttattctacg gtgtgtgtga ggctcatgtc 300  
tcttactctt ggcacccggg ggnattaagg tacaggccct cngtgtaggg gngttccctt 360  
naagggaac cacctttaat ggcatttnac cccccggcac at 402

<210> 810  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 810  
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60  
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120  
acaggtaccc gccacatgg ccagctaatt ttttctatct ttagtagagc cgggggtttca 180  
ccatgttggc caggctggtc tcgaactcct gatctcaggt gatccacctg tcttgacctc 240  
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagt 300  
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360  
cattaaggag ggaaaatgtt taataaaatg taattaaact gggatggaat ggtcagtgt 420  
tttaaagtga aatatactta aatgtaatta ccggggnggt 460

<210> 811  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 811



aaaacaccat	caacagtttc	ccactggagg	atggagggag	gcttgctggg	gcctgggnaa	300
ctangtggga	aaaatattta	aaatctcata	aatcctccgt	atcctttttt	tccnatttca	360
gggaactt						368

<210> 815  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 815						
gaggaactat	tttctttatt	ttcccaagga	tggtacatgg	ctgtgcattn	ctagatgcaa	60
acgtacaatg	caaattttcc	agatgcaa	at	tgccgtatct	gttgtgtgtt	120
aattcagggc	tcaatgttct	gcaaaaccag	ttgagagggg	ctgggtaaga	ggaatacatg	180
aacataatga	ggagaaaaac	aaaatatata	tatatatacc	caaacataat	ttccaggggg	240
aaaaaaaccc	acaaaatcca	aaatgaaaat	tactggata	ggattcatag	cagattaaac	300
agcagcaaaa	gaaatgggta	tnggggatcg	ggtgtagtgc	ctcacgcctg	caatccaaac	360
actttgggga	ggctgagggtg	ggcagacagc	ttgagtccag	gagtttgaga	ccagcttagg	420
caacagggca	agacctcatc	tctacaccaa	gtac			454

<210> 816  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 816						
tgcttattga	tttttttaag	tctgagggaa	attacccaaa	atgtgtcatt	ccttaacatt	60
taaaaaatatg	ttacataaaa	atgagcaact	gtgataacaa	ataaaacttg	gagagaaaaa	120
agttggctat	ttccttattc	aaggagacag	agctaccaga	atacatcaag	atagcgcaca	180
aatttttttaa	atccactgcc	acttctgtctg	aaacaaaagt	caactgataa	gaaaattccc	240
attcaaaaca	atttttaattg	tactgttaac	tcttctccca	ttttttaatt	tcatgaagtc	300
ataatccaat	ctgagttggt	ctgttgggca	ttagcagaca	tagtactagg	agaggagtga	360
gatgatgtca	gagcatgggg	cacagtattt	ataaatgtct	cctttaagaa	agtgttaagta	420
gtatcaagtt	cagctttcaa	tgggtaagaa	atccccaata	ccagttgtgt	cagcaggaag	480
gaggagctct	tgaanggatg	gagagatttg	gatgggcccg	tgatccnatt	ggattgggtna	540
acctgcattt	tcccgcgtta	caagccgggtg	tggaagtcgg	gtttccaagg	ctgccatnt	599

<210> 817  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<400> 817						
atacaagaag	tatttttaatt	attacaaaaa	caaaggaggc	aggtactaga	aattctgcat	60
ttcatagaag	agtaaaactt	tgtagagat	atcttcatga	tcatctacct	gcagacacca	120
ttcattttaa	aagtcctagt	caagaccatt	aagcagctgc	atcttctaca	acattgaaaa	180
aaaatcccta	gagattttaa	aaactgaaga	atttcactat	ctttaaaaga	tatttatattt	240
tagtacataa	agctatttaa	tttctctgtg	tcaagagcaa	aacattaccc	cttaccttgc	300
ttcatcattg	gaaggtggac	acctgatcca	gcaatactca	ttaactgcta	ggtagatgac	360
ccatgttgat	ggcagtaaag	ccattttaca	atgaacttat	gaagtagtaa	cactagccaa	420
acacacagag	acacaaatac	caaaaatgat	gtgttttagta	tacacaaata	gctatacttg	480
gggcatgggt	t					491

<210> 818  
 <211> 417

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 818  
caaaatgaaa aaaaatttat ttctcagtg ttttatccac tgtcaatact gtatTTTTga 60  
tgcaatatat ttgccaaaag aactcagctt ttatTTTTcca ttttaaacia ctacaatat 120  
tacaagctgt tcagaataac actcagacac acacacactc anagacacac gtaagtacat 180  
atgtccttat ctctggTTta tactgaatgc tggtaaaggc catgaatact ttccagagcc 240  
catgatcaga aaaggaaaac ccattttcct ttcttacgtt cactttccta gaatcatttt 300  
caatattcct cttccattt cctcatgcag agtcattgcc agacttgat aggtttaatc 360  
agtttttaca ttttactttt acttaaacta taagctttta aaaagcataa gcagaca 417

<210> 819  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 819  
gcaaanaata gcagccttct attttaatga attttacaca aaatgatcat cctaattgct 60  
actctctttt caactacagt gcttacagag aatcattaat tttcagatta acaccatttc 120  
aatTTTTtatt cttaggcaac tctattgaca ctttcagtg aaacagtaaa gaacatagag 180  
caaaagcttt aagggtaccat acttttTgtat ggtaaataag tatgaatacc aatctaagcc 240  
tcttaacaat gtgtacaagg ttagtgctca aaccacttca ctagagtaaa tattaatttt 300  
acgtgtgata ggcaaatgta tgtggagggt tagggaacia cttattacca tttatactaa 360  
tggttcacct tctataaaaa cagtgaagct tgttacatac gcacacttgt ttgctgcaat 420  
gtttgggcaa atgattttaa gggg 444

<210> 820  
<211> 595  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 820  
gacaaaaata atcttgTTTT tatttttagat tcagatttca ttactgcact caaacgacta 60  
caactgggct tggcgTTatt atacaatcca aactgtttcc atcagaaacg ctaagactca 120  
gtgtgcaatg attgttatta ataattagct ccttggtttc ttgatagaaa aaggctatca 180  
acaagcattt gtttatccac aacaaaaagt ataattagct tatccactt agtaaattct 240  
gtatgcatgc caactcatc caaactgcta cttttacaaa aaaaaattgc aataatacag 300  
ttcatttttc cagtcctttt tgcacaaaat ttatttacia tgtctacata aatgctccaa 360  
gggtgggacta tgaaaaaata cacacatgac cgatgctttg ctcagaaata aagtcaacat 420  
attanaaata aatcttcagt ctatgtttta gagctgctta aaacaggaag tgatgtataa 480  
gggtgggtgg tgtggcatgg gggacaatgg atgcctggat gtgacaatta gggcttctaa 540  
acacacggnc tttgggtttc catgcctcct nctaccagtc tccttaagac cctgc 595

<210> 821  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 821

taggttttca	atacacttta	ataaaatagt	gaaaaatagg	tatctctagg	atagtgaact	60
atgggactac	aaagggcagg	acgatacatt	ttacttgggtg	aaattcgctt	aacgcttact	120
ccttttctcaa	agcgccaacc	aagaatttgg	ctactaaata	aagaaaaaag	ctgttagtgg	180
ctctttatcc	ngccacgata	nggtgctctg	aaacccgggtc	ctgnaagaca	ttcccttggc	240
ccacatttta	tagnttcctt	ctcagtetca	aggnetgtag	tctactgttc	acactcgagn	300
ctctcgcaaa	atacacaagc	tcaaaagctc	atggcntttc	t		341

<210> 822  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 822	ttttacattg	acaggtttat	tcttaaagct	tgaacaaata	catctttaca	cacacacaag	60
	ttggtaaaaa	gtaagccctt	actgctttgt	taaaaataaa	accatacat	aaagctttcc	120
	ggtcaaattc	ccgaaacatg	aaaacatcac	atttctacaa	tacatctgct	tttttgattc	180
	atgtgtgttt	tcaacacaac	tcaacaactc	attccgatct	acccaaacaa	agagaaaact	240
	aacttccaga	ccatgaagga	aaaaaaaata	catgcctctt	ataactgtta	aagacaagta	300
	gctatagaat	tctngaaaat	tctcaataaa	tagttactag	tataaaaatg	cttaactcca	360
	tatagctcac	ctttaatcca	agggcagtac	cagttatcgc	cataa		405

<210> 823  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 823	tttctattaa	tctttattta	tatgatggtt	ctctggaaag	cacttcattt	taaaacctgt	60
	ttctgagata	agtagcataa	ggcgcathtt	aagaaatact	attgttgtat	cacagagaac	120
	ttccatgcct	tgaaatcatt	tttttcagag	tattattaat	aagatggctt	agctatgcag	180
	agcaaaaaag	aaaaaaaaatc	ttcaaaagcc	aagactgtca	ggcacatgaa	ggtatgcata	240
	aactgtcttc	acattttaatt	ttgtatgatt	cgggagatac	ctccatgtac	atctaaccag	300
	gtcaggcagc	ataagtcctc	agtaaccctg	gggtgtgccg	gcttcaagcc	aaagtattct	360
	gttgagtttg	gtttgtggag	agacatttga	aatgttgctt	catagcttcc	attttctgga	420
	gaagtggaag	aatgaagcg	tnaaaaggcc	taggaaatcc	tcgctcttctc	caggctcttc	480
	ttctccttct	gcagnttcct	cctcctc				507

<210> 824  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 824	gtcccacaag	gatttcccag	tttaatatgg	aaggcagaac	acacatacat	gaaaggccat	60
	aggaacaaat	accaagcaat	acgtaacata	aaaataaatg	tacaatgaag	cctcactgct	120
	tcaaagtctg	gtaatctaata	ctctaagata	aaaaatatgt	tccctagttt	tgctaacacc	180
	attcattttac	gtaagagaac	aaaatatattc	aaacacttta	gaggtattat	taatataatac	240
	atatcaaaaag	caatatatta	tttaaacaaat	ttcaggcata	cctcatttta	ttgcacttcg	300
	ctttattgtg	ttttgttgac	attgtatgtt	tttcagatag	atggtttgtg	gcaacctgtg	360
	ttgagcaagt	ctactgggca	ccatgttttc	ccaacagcat	gtgttcactt	catg	414

<210> 825  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens





tccatcctct	ctctctctgg	actcacagcc	agccaggttt	ctagccttgt	cattcctaaa	360
actactgcct	caagccaggc	ggggcgca	caaacttaaa	atgctaatt	ccacagcgg	420
gtctggacta	atgggtgtcc	cccaccgtgg	gaatgtatgt	gagctaaaga	can	473

<210> 833  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 833	caaagaacaa	agaagtttat	ttctttccta	tgcaacaact	ccaaggtcaa	catttcaggc	60
	catgggtagc	tgtgatccag	gaggtcattt	gggaagccag	gctgatagca	gttctaccat	120
	cttcagatg	agatctccaa	ggtcactcta	gtcttcacag	ttccgcaagg	tccggggctt	180
	cattcttgaa	gtcagtgaga	ccaagaaccc	accaattccg	gacacacacc	tggattca	238

<210> 834  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 834	gcaataccac	aaatttatta	taatacacag	ggaaaaacaa	actcaaactt	tgacaacatc	60
	cacagaatgt	tccagtcttt	aaaaagttag	cagaaataaa	gggtaatgga	aagaatataa	120
	tctcgtaatt	ttatacttaa	ggctgtaaat	ggcaaagtc			159

<210> 835  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 835	ttgtcttttaa	aacagttaag	gtttaatagc	ttttctacat	tacaaaaata	aaatacaagg	60
	gcacacagtc	tggtttttaga	gtaggatttt	tgtctttttc	ttcccttaag	tcaaaatatt	120
	aaagggaaaa	accaaaagga	aaagataacc	atgggtgggt	aaagtggatg	ccacgtgctc	180
	tct						183

<210> 836  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 836	ttttttttta	ctcagaaaaa	taaattaatg	aataagattt	cctctattaa	agttttttct	60
	tggtttttta	aaaagtgact	tgacatatata	caaccttttc	attagtaaaa	ttgcttagtt	120
	catgcaatca	aattaattat	ataagtattt	catggcattc	tccaagctct	actacttgaa	180
	caggcttgac	tgaggcatta	ctatgctaatt	gtactctgat	cccaaattgat	tgtctacct	240
	aaaatagaac	aaatactgta	ttttctggaa	taaaccaata	attcgtatgg	ttttaggtac	300
	tggtattaac	tgatgaccca	agtcattaat	aaaatgtaa	aattatattc	aacatctaatt	360
	tactgttagg	gcaaatttgt	aatacaattc	aaaagtttct	taaantgggt	aaaaagggtt	420
	nggtgcttnc	gg					432

<210> 837  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 837	tttttttttt	taaaatgact	aattatttatt	acacaagtac	ttagttacac	ttatctgaaa	60
	attataatag	gacaattggg	gcatgtcaca	ttcatattac	tatccatata	agaacaaata	120
	catttagtca	actatatcag	gataacacac	aagggttttg	tttgtttttag	gcttctcagt	180



tgaaagaaaa	catcgagtta	aggnaaaatc	aatttccagt	gattaagnta	ttaacaatat	240
naaataatta	aaaattactt	ctnaaatgtc	ttacattttg	gacaactttg	gaattatact	300
tacatactna	atatttccca	aaaatgcatt	taggttacag	ggggtcactg	gtcgggggtg	360
gaaaatatta	tttttggaaa	ggcctttttt	aagggtntgg	ttntttattn	tggtttttaa	420
cctcctttnc	tttnttctg	ggggccaccg	gggcttcgg			459

<210> 838  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 838	ttaacaggag	acaggggttt	tattattact	caaatcagcc	tccctgaaaa	tttgagggt	60
	aggggttttt	aaaggtagtt	tggcgggcag	gggttgagg	tagagcaatg	tcatttagct	120
	tgctcacttc	catctgccag	tttgggnagct	tcttggtga	nagatggcgc	cgggcagct	180
	tggtcaaagt	gtcactcctc	atgaaccgcc	ggtcacacat	ggggcacgca	aatttcttct	240
	cacccgtgtg	ggttcgctg	tgtctggaca	gttcancaga	acgggcaaa		289

<210> 839  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 839	acacgttcag	gggcctttat	tactgcgggg	ggtggggggg	ggcgggggtg	gttaggggag	60
	gagggagact	aagttactaa	cagtcaggga	ggggaaaacg	ttctggttct	gcggatcggc	120
	ctctgaccca	ggatgggctc	ctagcaaccg	attgcttagt	gcattaaaaa	gtggagacta	180
	tcttcacga	atcttgcttg	cagagggttaa	gntctgtctt	tggctgttag	aaaagttcct	240
	gaaggcaaaa	ttctcataca	cttcctaaaa	tatttntgcg	aagagtaaaa	cgttcagcaa	300
	acacattnat	ttggaagttc	cagtaggttaa	tgcttgggca	ntttttttgc	aaggtgaggt	360
	tttgtctaaa	ggccccaanca	gggcacaatt	atctccng			399

<210> 840  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 840	tgaatattca	agaaaggtga	agtttaattt	gcatataggc	ataacctaca	cctcacttgg	60
	caagtgttag	gccacagcac	aaacccctct	gtccaatcac	aaatgtccac	aaatttgcaa	120
	agtaactgga	cacgaacgat	atgcttctca	aactcacaca	catattcgtc	catcacacac	180
	acactcaaat	gataaagaan	tacattgaaa	tcctctacaa	aagagatctg	aggacagtan	240
	tcagatgacc	tcattgtcgg	acagcctntt	gcagtttaca	gtctaatacca	tttggtcctc	300
	acantagccc	tgtgaggata	agcagcacag	ggattactnt	tcacaccgtt	ttgcaggatg	360
	agggaaactg	aggctcaggg	gatgtgtaaa	caccagccta	aggttttcca	gttgggagac	420
	tgg						423

<210> 841  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 841  
ttttacnnnn ctttggattt tttattaagt tctgcaataa ataatagggt tataaagttca 60  
ccctgttggt gancatcatca gtggctcgcca agtaagaggg tgaatcactc atcccaagag 120  
actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
taccntgcc acactgggca 440

<210> 842  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 842  
tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60  
atatttgtcc ttattgactg ggtctcctta attaattgtac acatgtcatt agaattgcaga 120  
cggaggggac tcaccatgaa tatctggggg tgattcccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgtcc ggatttactt c 211

<210> 843  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 843  
tttttttgtg tggtagcttt tatttagtca gtcttcattt aaatgtgtgc ttttgaaatc 60  
actaaatatg accttttcag aattcaattc tcacagtatt tacagtgaac tttgtgcaaa 120  
caaattcccc tttgtgcaaa gggggagctt cctgctcccn ttggcacatt aataacttac 180  
aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaagggt actgagctgg 240  
gataatgggt tgctaggaaa gagctaattg aagcccaaag gaaataaaat gttttcttta 300  
tcagaaaaga ataataacaa ggctcactc tccaaaggaa aacagacgtc ccaagatgtt 360  
gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcatttntt 420  
atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgca ntgcgaaggg 480  
actctgaact gtcaggggaa cgttntaaaa 510

<210> 844  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 844  
tttttttttc ctgcatgatt gtttattcac atccacttag caggctgggt agcagcgtgc 60  
gnaggaggcg gcagaaccag aacctggacg cagganaagg acggggggca cgagatgggc 120  
acaggacgcc tcccaatcaa ggctgctctg tgggtttcag aaacgggaca cccatccctt 180  
caggcatcca tagcgtgtga actgtaggac tacagggtgc aggtcacccc agagctcagc 240  
atccaaacca gtggggcaca gcttcggcct cccacctgcc caggctcacc agagacactg 300  
gctntgggca gagatgacct ggagccagga tccaggaact gttgcgcacg ggggtaagag 360  
gccggggcca ncggcattgc catcggttgg tgangctttt gc 402

<210> 845  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 845  
 gggcgagatc agatcggctt taatagaggg agcctgagga ggctcgngcg tgcgggcneg 60  
 gccagcccc tcctacttgg ctgcggctgg cgggtggggcc tgggcgacgc tgggtgcggcc 120  
 tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgcca 180  
 ggcggcaggc ggtacgacgg tggaaactcgc gcgcgacgaa tccgtgctca tccgggcgct 240  
 cctcgtggcg cgcgtgcacc tccacgtgtt cgcccaccac cttgacagca atttcctccg 300  
 gcgagaagtg cttcacgtct aagcagcacc gaaaagtngc cggggtcctg cggnacctgg 360  
 ggcgacgggc aagcgcacgc tgggttgenc gcaggt 396

<210> 846  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 846  
 gggttagcaa aattgttata atttctttta aataacccac agacacccat cgacacttcc 60  
 aaatttacag agcaaaaaag tgatttgagc ctggttcctc caggggaattg gccccgaagc 120  
 tggctcagtt cacctccagg acctcagctc ccgggaggcc gaacttggtc ttgtgcttgt 180  
 cgaagagctt caccagggcc tccatgtaca tgggtgtgta caggctgatg tcttgctggg 240  
 ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg 300  
 gagtagggca ccagccccca aggtgtcggg ggaagaagag gcctcgacca tgggaagatgc 360  
 atggggcgaa accaatgtat ttctnngaac ttcttctggg acccatcggc cccaggagcc 420  
 ctctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa 480  
 ccaggtcagc tcccatgacg caggggcccag ttttnaaaaa aagcc 525

<210> 847  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 847  
 tcatttgtct tcacctttat tgaaatacaa aatgttaagc attcaatctg tactagtaaa 60  
 ggtgtttctt gaagttgata aaggagggtt gggctgcttg tggtttcctc caatatcaca 120  
 ctttcattta ttcatcacac caccaacaac tctcaatgct taaccatttt cagttgccag 180  
 gaaagaggta gaaatatctt gtcatggaca ctcgttctat ggtgggcatt tggactgttg 240  
 cctccggact ttcaaagtct tgcgtgaacct tccaaaatac ttctctagg tggcagcgca 300  
 ggaatatctc tgggaagcatg cgatgagttg tgtgatgaag atgggaagcc ccttggtgcc 360  
 cgtctctccc tgggacacgt taccctgggn tgtcaagatt ccccttctac aatccaca 418

<210> 848  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 848

```
<220>
<221> misc feature
<223> n=a,t,q or c
```

```
<210>      850
<211>      470
<212>      DNA
<213>      Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<210>      851
<211>      431
<212>      DNA
<213>      Homo sapiens
```

350

tctgcagtga tgtctgcagt gacgaacgcc cggggtggtg agctctcgac tttagagaga 420  
gaattgcatc c 431

<210> 852  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 852  
tttgtcattt catttagttt attagacaaa aatatatgat ttagacaagt tcgctgacgc 60  
gctatttaca atctgaaacc actctatata cagaaaaggg gggaaagaga cacaagcacg 120  
tgggggcatt taccgaaccc gataatcgca gccactggag ccgccggaga ggctgggcca 180  
cctggacgcg agctcgggac cgaagaagcc cttttctgca gaaagcgacg gatgcgagtc 240  
cttgacgtcg ttgtcatatt tgtcctttac accagtntga aatatttgnt cttaaantcc 300  
cctcgnggcc gaattccttg ggctccgagg ggcnaaaatt tncccatag tggagtccg 360  
tat 363

<210> 853  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 853  
tgcaagacag aagcaagtgt ctaattatag caatttgagt tgaggggttc ttttttaaag 60  
gtcaacagaa gccaaccttg gtcacacagg tagtgaggga aggatatgtt gtgggcggcc 120  
cacaggcaac nattgttttc ctgacagaaa aaaaaaaaaa agcgccatca gtaccgcctg 180  
tagggggcat ggtgggggac agacacggca gaacgctgga ctcttgcttc agatnggcgc 240  
accacaagca cacggcactc tgcacagggt ccagtcacc accagggcca gcctttgagc 300  
acacctggg tgctcagac tccggcagaa ccacatttc atcgcacacc caccattag 360  
gggccaccag tcgagaagca agctgggcac caggcagctg ctttgacatc cagagaaa 418

<210> 854  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 854  
cttattggtt aaaggcaatt tattttgaaa tgttgctttg gttgtttgct ttctggaaac 60  
atattggaac acttgttttt cataagctgt cctgacagtg gcacaatccc atccatcttc 120  
aggcctttta ataaggtcat tatgaaatct gaatttctat taatactctg gtgcattcat 180  
ttcatctgca aaagcaactg gcacaaccac tccttgccgg tgcagctctc ggagaacatc 240  
taatattgag tctagttctg tgcggaactt ctccagctca cgattcttta actgtgccag 300  
tcttttccat ttttcaactt ctttgttttg ctccagttct actacttggt gtgtt 355

<210> 855  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 855  
gcttggtcga aggtagaaaa gttaaaattc ctttttctta gataaactga ttatttaaaa 60  
ctgaaaatta acgttttgac aactcaagag tgtctgacat cgctgggatc ctggagtgtc 120  
gagtgtggcc tcgatggtgg cttcactcct ccacatctgg gaggcacttc agtctcangn 180  
aatcaccccc tttttttaaa agagaatgga ggcagctact ggaggccaag cacctccagg 240

cactcaaggc cctggggaca ggcgtactga ctccactgcc tcagggaggc acggtgctgc 300  
tctaccactt cctctgggct ttgtaccttt aattgtgtct actctgccta agtgcttaaa 360  
taaagcattc cattaagcaa aatacacatg gagcggatta cacactggac tgcagaactc 420  
agatgtatgg gatg 434

<210> 856  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 856  
tttcttgtaa caaggcattt atttgggatg aggaaaggaa attgagcaga aggaaaactg 60  
tagtgtgact tttcagttac cttttcaaag attcaactaa atatctgcta tttttaactt 120  
gagttccttt tattacttct ttttaaaaag tggccctgtt gacacttggt acctcaataa 180  
aagagatatt ttaatgttaa aatgtcttaa attaattgtt aaaataaaag tattttttct 240  
catcccacct aaagaaggag ggattttctt tagcttcttc ttgatcttga cagcattgct 300  
gctgcatccg tgactctgga ttcagtgtca gtgatacagt aggtgaccgg tggacttgag 360  
ctggggggct aggttatagc atggccaatg gtaaataggt taatttgggt cccgtgggtt 420  
ggacnacct 429

<210> 857  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 857  
taaacacagt tcatttttag tttgtcgtgg caatacatgg aaaaaaatca ggccactact 60  
aagcatctat agagtgtatc tttggcaaaa atgtggacct gcaacaattc agatggtttt 120  
ctttcaatta ggttcaaaaa tcatggctct gtaaatttcc aaaactttta aagtcttctc 180  
atgtcttctt ataatcgggc attcagaggt acgtgttggg tctaatagct ttg 233

<210> 858  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 858  
aatattaaac caatacttaa gttcctttac tcattgttga gacagactat tagtgtaggt 60  
gtactttcat ttatatgttg taccaataga ggtaaaggat atgaccctat cggtaatctt 120  
tttaagcaaa taaaactgtt tggatgcttt ccaggacga ttggattgcc ctccaggcgt 180  
atctcttcaa tgcgggtccc gatgtaactg gtgtcattag ccttgcagaa tgtgtcatct 240  
gtaattgaag ctatgttgtt gaactgaaga tgaattacac gtagactttc tggtaaatta 300  
agaggcacgg attccagggc attatgggtc caagtacgag gaaggtaggg ttattcagtt 360  
ttttgaatgc atttgctttg attcccttac tcttgatttt gtt 403

<210> 859  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 859  
aaaacaaacg catatgacat tttacttaac agactggcaa aaatgaaaaa agaaacataa 60  
tactctgagc tggcaggagc acaaggaaat gggctctcgt ctgatgatga atgtgaattg 120  
ataacagttt ttttgtgatt tgcgatacac naaaattgaa aacagcacia atgtacgtta 180  
ctctgggctc gctaaatagg cactaaataa aacgagtcag tttcttctcc cgagcaagta 240  
aactagaggg tagatccacg cgacccggag tctaggacac atcctcggga gtgaacagcc 300  
acaattcaca gacgatgtgt gcagccgggg catngaaagg cccaaggcaa acacaccacg 360

aggtaaacgc cgggactctg ag

382

<210> 860

<211> 410

<212> DNA

<213> Homo sapiens

<400> 860

aaaaaaaaaa	caatatttag	tctttctggg	atatcagctt	ctgcctaaat	tgtgagaggt	60
ggtgtttcaa	aagacacacg	caccagtggc	cccggggaga	gctgcattcc	aggttcctgt	120
cctacgtagg	cccctacggg	tagctgggga	caccagtctc	ctccactcac	ttggcaggag	180
tcaggactgt	ccacctcttc	aactggcaca	aggcccaagc	agcatggggg	ccctgagtga	240
aatggagggg	cccacactgc	ttccaggaca	ggactgtcgg	gggctctcct	caccctgac	300
tggccacag	cagcaggctg	ctcctggcgt	ttggcagcag	tcgtgatggg	gctgcagcag	360
ctggtgagtg	gagtcgtcgg	gcagtgtgta	taagaaagag	ccctcgtccg		410

<210> 861

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 861

tttttttttt	gacccaagc	acagctttat	tgacacccca	gccaacacca	acactctttc	60
caaccagcgg	tgagggggcc	atggnggttn	gcctngaagg	tggattgagg	gcctcggttt	120
tttgttgagt	gatgacagct	ccatgttcct	tccagtgggc	cctgcagccc	ctctatcccc	180
cagcttttag	cgctactccc	agtggggcag	gaggagcttc	catttgccat	ctggagaccc	240
tggcagggac	ttgcccatcc	gatccanaca	ccagcagggg	acctcgggcg	ctgcccctgg	300
ggatganggg	gcant					315

<210> 862

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 862

gctcttgtgt	acattttatt	atcattatta	gtaataaacc	aataaaaact	gaataacaaa	60
ggaaaaagct	caagataaat	aattttcttc	ttgtgaattc	aaacacatgc	acacacacac	120
atcctcctct	gtgtgtgtta	cttcctcctc	acattctgtc	ctacggtaca	aatagttaca	180
caaaagtcta	caaaacgcga	gtagcagacc	ccagctgtgt	taagctcagg	ctgattctca	240
gtctagatca	ccagcttctc	cacgctaagt	gtacttgtgg	tttcatcctc	ttcatttgac	300
ccaaaatatc	ctgggaggtc	cagcatcctc	tgctcagcct	cagtgaggcc	aaacgacgta	360
ttgtcataga	aggcaaactc	agggtgagtg	gggaagcttg	acacttgtct	tttctacacn	420
ggttggtctc	tttg					434

<210> 863

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 863

gancatttta	ggaaaccttt	tattgcaa	gccattctgc	atattgattt	ttgacagaaa	60
gtatcagaaa	tgcttctttc	ctgggaaaag	gaatataaat	gacagcaaga	cacatttttag	120
ttgctactaa	agaacagcat	tattttcaat	catttttaagt	cgctcattta	aanangcaag	180
ggtntaaaaa	cgggttttaa	ggtgggagcc	tgcaaaaggg	taattaatta	aaaaagtgtt	240

tcctccccgg	gaaacagcac	tgtttggctct	gnatcaaatg	ccgaagctgg	gaatctgatt	300
ctgggggtgcc	gtctcttcgc	tactgggagt	tgctgaccag	caggctgccc	attcacgaaa	360
agaggttggc	aaggccaggc	ccccaggtng	cgctggggat	ttctgggctg	ggc	413

<210> 864  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400>	864	tttttttttt	tttttttttt	tttgactag	aataagtaat	ttattagtaa	gcacaatgac	60
		atcttttagg	agaggttaga	cagggtcccca	aataagcagt	tctgtctttt	cagtgttgga	120
		gccatcagac	tcattgggac	taggtttaaa	ctggacattt	tgagaatgat	gaaaatcctc	180
		caggctctgcc	aggaaaaaca	tttactact	tcatagtaga	tgatacctga	caccacctgc	240
		taaagagcta	agatgacatt	ccctaagtgc	ctag			274

<210> 865  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	865	tttctctctc	tttggtacag	aatatagaat	cctgacctcc	caagaaagt	aatttactca	60
		gtcagtaaat	ctggagatct	ctgcatgtag	catttttatt	ttacatattt	atttattagg	120
		ccccttctgg	ttccaaacag	gatttggcac	actgtnttg	attttccgct	tccttccaac	180
		tctgcaggaa	acaacaaaag	ccccactaag	acctcaaaag	gagaaatcct	cttgacctag	240
		tttcacgaat	ttttcgacac	tgctggttat	tgaaggccat	cttgtggcaa	ccccagtgtc	300
		catgggggag	gagcatacct	agagaagagt	gtaaaaacaa	ctccatctgt	tacaggacag	360
		gggtcccaat	ccagactcca	agagagggtt	cttggatctc	gcgcaagaaa	agaattcagg	420
		acaaatctgc	agtgc aaagt	gaaagccagt	ttctaagaaa	gtaaaggant	ggagaacagc	480
		tctccatgac	agggcggccc	g				501

<210> 866  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	866	ntttttaagg	agctttctgc	atccacttta	tttagccaga	gaggggaagg	gttgacataa	60
		acgaaaaagt	ggatcaaata	gtcaagaaca	tgatgggcgc	ggcaatgaac	tgaaccactt	120
		ttgctaagt	acagaaaaat	attctaatat	taaggattat	tttacaactc	natggaagta	180
		atgcngtgat	gcattcttgc	tctgttttgt	cttgatgaca	aaacgcactc	ttagagtcac	240
		aagatcctgc	cttgtgttag	ttataaacia	aaatatattt	atatatata		289

<210> 867  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	867	tttaaaagta	tcaaataatt	ttattatgaa	agataagcca	tttattgacc	attcactttt	60
		ctaaaaaaac	acaaatgtga	gaataaaata	aacataccta	agactnactg	gcccctccag	120
		gacaggaagc	agccctggac	angagagcct	gcaaacggag	ttnccttatg	nnnaatgtct	180
		gaactttctca	tacattctag	gattttcatgt	ttcgttacaa	aggaaaggaa	actggctaga	240















<211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 893  
 tttttttttt tttttttttt cattgtatag tgacttttatt tgtctcatag tttttgtatc 60  
 aaaatcaata ctcttctct ttttcttggg ttccattggc atggaataac tctttccaac 120  
 tctttacttt cagcctatgt gtgtctttat agtttaagtg tgtttcttgt aggcaacaga 180  
 tc 182

<210> 894  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<400> 894  
 tttgcttttc tccttcctgt gcatttaatc aatgaaaaca gaggttcaga atgatatgct 60  
 aatagtggga ggaaccacag caatggaatc aaacaatcag ttcaaactct ggctctgccc 120  
 tagtagctgt tctctgtaaa ttggagttaa taaatcccta tgagaagtgg ctggtatata 180  
 acgggtgctc aataaatggt agtactcttc ctcatgagca tctcagagga taagaggtgg 240  
 acaactgcag cctagattga aaacctgagt tatggagaaa gagttaaaat gacttaatac 300  
 tgtttatata gggccataaa aacaccatct gctagctcta gctagttaag ttattacaaa 360  
 gctgacatgc actaatgctg cactgatagg aaaggaatgg ccaaggtttt gctgtttcta 420  
 tcattattcg acgagctgcc atgtcgggac cagtcgccag tttaacccat cacataacct 480  
 g 481

<210> 895  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 895  
 tttaggagta cacaatataa atgcttttatt gctagcacag aggtttcttt ttaagtaaat 60  
 taaaagaaat aaatcttcat tttcacattt tttgttgtag tccaaaggta actagttggt 120  
 tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180  
 agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240  
 aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300  
 tggtagcggtt aagaagcaga agatcgtaa ataca 335

<210> 896  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 896  
 aatctgaagc ccctgatttt atttttccag catcactcta aggaagagtg tggattagtg 60  
 ccattattca gggctggtat taataaaagt tagcttttat ctgcagggct aggttaaggc 120  
 tggcattctt acttttacct taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180  
 gtcattgtcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240  
 gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300  
 aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360  
 gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat 406

<210> 897  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 897  
 tttgtagaga gaaaaattta ttgcaaggca gccaaagcaag gacacaggag tctggcccaa 60  
 atctgtctct ccaagttgga ggctggggca gattttatat acagagggta gtgaggcatg 120  
 atatgattgg atcttgaat gaggggattc aggaggttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcac 240  
 tgttctcag tctgagcact taggt 265

<210> 898  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 898  
 tttgtctttt aaaaaataat ttaatgaaca tatagttaa gatatagttt catttctaca 60  
 aagatgcatt taaaattaca atttttagagc caagacagtt ctattaaatc aattgtcaat 120  
 attaacataa ttgattgttt catccaataa tgttatattc cagggttttcc ttttaaaaaa 180  
 gactactttt aagagcagtt ttaggttcac agcaaaactg acaggaaggt aggaagattt 240  
 tccatataatc cctccccccc acaagtgcac agcctccctc ttcatacaaca tccctcatca 300  
 gagtagtgca tttgttaciaa ttgatgaaga tacattgaca catcataatc acccaaagtt 360  
 catagtttac attaagggtc actcttgatg ttgtacattc 400

<210> 899  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 899  
 tgaagagcac agattttattg aaacaaaagt acatcccaca gaggggcagc aagattgagc 60  
 aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120  
 cccattgggt actcgggtta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180  
 ctggtcgtgg gaggggacca gtcataaggta cttttcattt ttcatactgcc aggcagaaaa 240  
 ggggcaggtt gcaaaggag tataacctct gattcttttg ttacttgggc gaggaaagtt 300  
 gagattttcc tttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360  
 actgcctctg gaacttattc tctgcctca caagcattta tgaaatctgg ccctagacaa 420  
 gatgt 425

<210> 900  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 900  
 tttttttttt ttataagcag tttttaatcc ataaatacaa caggcatttg gtattttggc 60  
 catcagaaaa caaaagttgt agtatcagta aaggctctgag atgggttact tttgtagatt 120  
 caattcagtg tatttaaggt taacaaaggc tgacattgaa atgtttaaag ataggcaaaa 180  
 attcacatta aaaaaaaccc tatattttcta tttagagtaa cagtaggcag tatgattcca 240  
 aaagttaaaa attatttcac aacctgtagc ttcagcttgg caaacagctt agattccaaa 300  
 actgattcat ctctattaaa atgtaagcac ttaaaaaaag agcatgtctg tgtatataga 360  
 catatatttt aaaggaatca gataatcttt gaagcagcct tagtgtttcc tttaaatttg 420  
 tctggaaatg accattgtat tagcttcaca gaaaggacta gccagcttct tctgctaagg 480  
 ctaacatggg gatcatttgt ctaaggctag aaaggtagca acaagatgta 530

<210> 901  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 901  
 tgaggccaca catgtttatt aggccgggtcc tgacacctgc ctgcggggaa ggaccaccga 60  
 gaccagatcc tgggtgcat ggggtgcagg gacagaccgg tgcattggcag cggctg 116

<210> 902  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<400> 902  
 ttttttttta ataataaact aagatgtata tgtaagaaag cctcatcttt tgatttttaa 60  
 tatacaagat gctttcttta agagagcaag attcaaaatt gttttgtgtt tcaaaattta 120  
 aaaataaatt tatctcctaa attttctaaa gacatgttcc atatatttga ccatccctta 180  
 ttttggcaaa ggattttaag agtctaactc aaacatatgt aagctctggg gtacctgggt 240



atatatacca aaaaaaacat ttgatctata tacacataga catgaatata tttctgtgtg 300  
 tgtttgtgca tatataacct caaacactat tattaaatgc aatcctatat tcttaggtat 360  
 agaagttgat gatatacctt tctacttgcc atggcattaa caaagcaagg ctgagactca 420  
 gcaaccactt gtgttcattg cattgcaggc tagtagtaag tttggttgct ggtaggaaaa 480  
 gggtc 485

<210> 903  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 903  
 acatggctat ttcatttatt tagtagtttt gaaatgtag caaatataag gtatttgtaa 60  
 agcatctttc attataaaga gattagtaat attcaccaat catgccaatg agattataca 120  
 ctctgccaaa gactactaga aaaatttgat cattattaaa ttcaatgtta tttgacagtg 180  
 tgaactctat gtaacagcac aaattctgga ctttgaatct ggctgctgtc ctcacctgaa 240  
 ccattaaaaat gaccttgta acaaggaagg aatcaatggg gatatatcac aaccagagat 300  
 tggctgtgtg tccaagggtg ctttgtcttg ttgccaggat cagactgtga aatcacagag 360  
 gcaagctgat gtcacagag gtgactctgc ctatttcaag tcctataatc accccatggg 420  
 attcaacagc agtaggaaaa catcacattc tcttaatgga caccatcat ttttagaaac 480  
 agttatga 488

<210> 904  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 904  
 tttttttttg cctcttttgt taaacagcaa cagagctctg ccactttggc caaccaccct 60  
 ctttctgect cttccttttc cctcctgcca agtgtcctat tctcaaaagg tctaaatcac 120  
 tgccttccag cttgggtgggc aacctgctgg gggccccaag tgaggtgggg aggggctccc 180  
 tagctatttc ccagtgcct ctatcacatc atcgtcttta tcctcatcat cattggagct 240  
 gaaccaacc tcggcaacct catgagagtc aaatggaggc acctgggacc gtaggaggcc 300  
 accagctggg tagcctgcat gtggggacat gtagcctgga tagatagaca tgcc 354

<210> 905  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 905  
 tttatgtaat tgctgtttta tttagtggca ccagttttcc aaactagaaa ttatttctac 60  
 ttttcatcta acatacaatc tgcaaccatt cgcaggctga atgcaatttt tcaatgaact 120  
 tgaaaacaaa cagtacattc ttaaagttag aactgaattc acatattttc tttggaccag 180  
 gaaataatac ataatacaaa atatacattt atggaatttc tttaaaagtg tggatcacat 240  
 aaactgcaaa gtgggtgagt tgctacggag aattttgtta cacattgtat ttaagaaaaa 300  
 tatttctgca attatattat tcttaacatt tatagagttt aaaaaatgaa tatataatgc 360  
 aacatgcttt taacatgtac atgtctctcc actcataaca tttatac 407

<210> 906  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 906  
 tttatattca taattttatt cgtttgttg gaaatttaag gcatatagaa gttaaaacca 60  
 cagccaagcc tcaggagatg cacatgttca aagatttcag agtgcagaga gtcatttcat 120  
 tttttacgaa gcacgtgctc tgcttcggga cggcgctaag tcggctgtgt gcccgggcgc 180  
 ccgcagttg 189

<210> 907  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens



```
<210>      912
<211>      518
<212>      DNA
<213>      Homo sapiens
```

<400>	912						
ttttttttttt	ttnttttttt	cacccagtnt	tctctgttta	ttctttctcaa	ctacaccatg		60
ntgcttttgca	gnttggtttt	acaaacattt	ccccacaatt	aggatgcatg	atgaccaagg		120
gaggaaagaa	aattttcaca	gggtatttaa	aaagtctcag	ggaacaaaca	gntcagtgnc		180
aaatcagtaa	ggctaacacc	tgaaaatgac	tctgcacagg	tgaggaaagt	gagcagaaga		240
gggaggggct	ggttcaggga	acaggattta	atatgtcagt	gaagaccctg	cctctctctg		300
taacaagatg	cctaaagaag	antagtgggt	cttccagccc	agctccctct	tnttttgggg		360
acaacagtca	tttctcagaa	acctcacttn	caaaggcagc	ccttncaaaa	acatgagagn		420
tttagtttgg	agaaattttt	taagctcact	tttgctggag	aggaatgant	ttaaactnng		480
qcacacagng	aqcancaaan	agtttttnaag	agccacct				518

```
<210> 913
<211> 427
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

<400>	913						
tttttttttt	ttaaaaataa	agcctcttta	ttggntacct	gtaagctcag	gtacaaggtg		60
ttcccacaag	gcacacaggc	tggcaaggcc	tacctgggnc	aaggggcagg	cccagagcct		120
ngnntttctt	gggcacagac	acagagagna	aatggaataa	attatagttc	tgacactcag		180
ggacaatgta	gaaattatga	tgcaaaatta	aacattaggc	aaacaaaggg	tataaaaacc		240
ctcaggagcc	acccctcgcc	aactggcctc	agggcatggg	caggtnggcc	acgatgaagt		300
gcagtgccca	gaaagccctg	agataatagt	ctggggcatg	gttcncgccc	cgaggtaggc		360
cctttgccct	ctctgggctt	cctgtttcct	ccttccccct	nctacatccc	tgggcctaga		420
ataaagg							427

```
<210> 914
<211> 442
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

365

gtctcagggg	gtcactgctc	atgctgggct	atcagcttcc	gatgcccaga	gacccagggg	360
ccggcacact	tcttcccact	tgcacggtgg	gagttggggc	cnggattttc	acgggaacat	420
cttctttcat	ttgggncttt	gt				442

<210> 915  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 915						
nagnttcttg	gaacaagtat	ttatttaact	ttttattatg	gaatatttca	aatacacata	60
aaagtagaaa	gantagcata	ataaaccccc	atgaacccat	catccagctt	caacaactaa	120
catttttccc	gatttaattt	caactattca	tcaccccccc	atcttttgct	tgagtatttt	180
aaagcaaatt	cagacatcat	atcattttac	ttatgtatat	ctnagtaa	gtctctacca	240
gatgaggttt	tgctttgtaa	ttnaatcaca	tgtcaaacct	aacaaantta	attctaata	300
tttaatatgg	attnaacatc	taggtctt				328

<210> 916  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 916						
acagctaggc	atgggggaga	cagaattgga	ctgagcacca	atcattgttc	taccttcagt	60
gagctgtgca	gccataggan	nctcccagct	tctgctgtgc	acctgtcttg	agctggaaac	120
aggtggcggg	aagcattctc	aaaggccctt	tctagcacta	actttgtatg	ttcagtaa	180
atcagttccc	tggaccagct	cctttttatc	tggtagacaa	ttattcttag	cctatgggg	240
gggggtgggg	ggacagtagt	gtctatnatt	tgtgaatttt	ggaaccagtg	tcatt	295

<210> 917  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 917						
ctttcaagat	gagctgtatt	tattactgga	acggaagttg	tcatatccgt	gacattagc	60
tttgaacttt	aagcacgact	gcttttcttc	caaggactgt	ttttcttcaa	atgactggca	120
ccagcagcat	aagcatgact	taaagcagtt	tttgaatctt	ttgctcacca	aatacagagc	180
aattgggtta	atgcaggaat	tcagtgaagc	catgttgata	ccaatatagt	ccaataccaa	240
cagaaagctc	aaaagtacac	atctattggg	atcattctga	ttataaagag	tgagcttcag	300
aatcctgctg	aggtgaaggg	gaagccagca	gagggcaaag	accaggacca	ggcaaaagac	360
cggnttttgg	gccacttncc	ggctctggct	ttaggggtgt	ccatttaaag	caatctgcat	420
gccacttttc	cttctcaaca	tttcacaggt	cnttagtgta	taaaaaatgc	ngtgatggcc	480
atgnaaagcc	ggaattgnac	tggacagcca	ccatcttttg	ccggcctggg	aactggctgn	540
aagctgtctt	ctgaacngga	tgagccagcc	agttccccga	tacttccttt	gt	592

<210> 918  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 918						
gacaggttct	ttctctgtca	ctcaggctgg	agtgtagtgg	cacagtcaca	gctcactgca	60
gccttacctt	ctggggtcaa	gtgatccttc	cacctcagcc	tcctgagtag	ctgggactac	120

aggtatgtgt	cactacaact	gactaatttt	taattttttt	atagagacac	aggatctcac	180
tatattaccc	aggctggtct	tgaactcctg	agctcaagcg	gccacccac	ctcagcctcc	240
ctaagtgttg	ggattacagg	catgagccac	ggtgcctggc	tatcacgcaa	ttcttaagtg	300
cttattccag	tagcagaaga	gattagaaag	gctggctttt	tccaacagtg	ggagcttgaa	360
tctggaaagt	cttaaagttg	ttgtaatttc	acactactaa	gaagcacttt	gctcatgcaa	420
ctgaaaaaaa	aattaagtgc	ctaccg				446

<210> 919  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 919						
gcttttccaaa	gacaacaatt	ttcaccatta	ctcaaaattc	tgtaccaa	gcaactgatt	60
aaaactggat	attcctgaag	cctaccacct	gttcactaat	gtccacaggc	agccccaatc	120
cacctcagtc	aaacgtcaca	cccaaacatt	cagcttttct	cagaccaa	taa	180
cagaaaaaaa	aaagacccaa	acgctaaaga	tattttttaa	atattttaa	aacacaataa	240
agtaaaaaa	acctcagacc	cctcagacta	gacattccca	ctgaaaattc	tttgtggtcc	300
ctgaatttga	ttttctatgc	aaaggcattg	atttccaaag	aagtgtgata	aaaatgtggt	360
ttgggcattc	tcaaaaactc	ccagaaagtt	ccctcttctg	gctggcgact	ttcactgaaa	420
tggaaaatcc	ttcatggaga	acgaatt				447

<210> 920  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 920						
tttttttttt	ttttttttaa	agtccatcaa	agttttattt	ctaagaaata	aacttgcata	60
taaccctaac	gtaacaactc	tggtattaca	tcaatacagc	tataacatta	atgcagcaat	120
tatataacac	aaaagtgcta	taatgacatg	ggaaatgttc	atgaactgtg	aggtgaaaag	180
atacagaaaa	tgactatgcc	tactgatact	acctttgaaa	aaggatccat	aaaaaatata	240
ttgaatataa	gttggctaaa	gaaaata				267

<210> 921  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 921						
caacttataa	gtaatttatt	atgatattat	agacaaatgc	aaaattactg	atatataggg	60
aggttcattg	cacagaaatt	tggtgctaac	ataaatatct	atgagtgaga	aatgcttaaa	120
acatttaatt	atattttatc	tacaaaacat	tcatgtcgtc	attcaacaaa	tgacacagat	180
gtgtatgtac	tactgaaaaa	gaaaaaggcc	attgaataag	ggctgttaaa	tgaaagaggt	240
aatttgcaga	aaaatgtggt	acaatatggc	cacacacgtg	gatccttccc	cataatggct	300
tgtgtgtttg	tgtgcatcta	tccactaaaa	gaatgcatgt	agttcactta	atagaggaaa	360
actatagggg	cagaattgga	agagaggagg	gcatttaatt	tatatattat	ttaa	416

<210> 922  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 922						
ccatttgcac	ctgaaccttc	actaggtcag	ttggattggc	taaaaactgg	ccaataacac	60
cagccatcat	ccctccaatg	actgatttcc	aaaggggata	atgctcatct	tcacttttgc	120
caaacacaac	ctctcgagga	tgttcatatc	gtgaccattc	gacctccaga	atacactggg	180
taaaaaagat	cattaaaaag	gtaactttgg	ctatatgtat	cnatatgc		228

<210> 923





gggagggggg tcgtag

316

<210> 931  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 931  
taaagtaca ttactataa aagctgttgc attttagaaa acttgttgtt tttatttttt 60  
actgtttctc agaggcattt tagaataaat actttaaatg aaagttagta taaccgatat 120  
agaacactgg cccaccaga gcagtaacat cttttggacg gactcacata tgagggtggga 180  
tcatttcagt ttgttaaadc ttacactgcy tataggataa ctataatatg tattgcatta 240  
atcacactac atgggaaggg naatgtcagg ggaggttcgc ctaggtggaa aaaacaaaaa 300  
ggttacccca tttattttta ttaa 324

<210> 932  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 932  
tcaagatggc atctttaatc acattggcca aggccttagg ttcctctgt tcaggccac 60  
ttagccacac accaccctg gccatatcca gaacacttct accaggtggg cctgcctgt 120  
tgccactga tgtgggaacc tgaggtcaca tcagtctgtg gactcctggg ttaggtgacc 180  
ctntgcctt gaggtctgct ggacacctgg ggcattggat ccagtagtcc tgagctcact 240  
cttttgcca tctccagctg ntctagggg gacatggctc aggccgntc ctgggggcag 300  
ggggttggcg gtggcatgag gtggggttg ggaggagga cgtntctcca catttgcagc 360  
tggttttct cctgggg 377

<210> 933  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 933  
ttttttttt acggtagcaa aggaaganct ttattcagga ggcgggggct ctgggctggc 60  
antnggnat gcaggagac cctgncagt aggcacccag caggatggca ttgatgtgct 120  
ccagggtcag gttgctgaag accatgttga gatgctgtat cccgtgcagg gcagcaggtg 180  
cacaggctgt ggctggcggc cctgccacan gccacagagc tcggtgctgc gggtcgccac 240  
cgtgtcatca ccacctcat agagcacacc cacagggtcc gtgtagggga agccgtggtc 300  
gtagatgtag gtncggggcg tgggcaggcc 330

<210> 934  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 934  
ttttttttt ggcaggcatg gttcaggctt tactgggcat cacacggagc tggggtaggg 60  
accagcaaaa gggagcaggg catacagatg gtctttgagg acagtgctag ggagctcaga 120  
gatcagtctg gcttctcaaa gaagagaaaa gcaactgacag gaaaagcagt cagggtggcg 180  
ttagtgtagg gaaaggaag acgttaggag ggggactttg atgggagggg cagtggggga 240





Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

<400>	939							
agcattgtct	tatttattaa	cataattgaa	acatttttgc	taaaactctt	gcccattgact			60
attctagcaa	caaaattgta	ctcaaaatat	tctactgtga	aatgggtattg	caacttgaat			120
atcatttttt	attaatgaat	tgattttccat	aaagcaaata	ttactcttaa	aatggcgagat			180
tatgtgatca	aaaagcgatt	caaaaaagct	tccccctcct	catgcccaacc	ctcaagacca			240
tgtggatcca	gctgaatcct	cagccctggg	nctagactan	ggttgagggg	aagagccgtt			300
aactcattcc	taaccagaca	ggctaattng	gcactccaac	tcacacttca	agggggccnca			360
tggacagtcg	ggtgt							375

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

<400>	940						
ccncaaggat	gagtttattt	cacatgtcac	ccagcatgca	actgaacaca	tcacagaaac		60
caaataactta	ctaaattagt	gtgcattgct	ttacaaggaa	aagtcaataa	aatggcatag		120
tgaatatatc	attggncttg	aagncagtgt	tcatctgaaa	atgggnacaa	taatcatgnc		180
aatacncnttc	agntaatcat	attctgaaaa	ttaaatacat	tgtattacaa	tg		232

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

<400>	941						
ttttttctca	gttttctcctt	tattgctccc	gtacgaaccc	ctcccctccc	ccctgtaaac		60
acagtgcctgc	gagatcgntg	gcagagaagg	cttcctccag	cggctgggtg	gtgaaggacc		120
ctggctcttc	tctcggggcg	accctcagt	gctcggcagt	catactgggg	tgcgagagag		180
gtgggcagca	gntcagcctc	cccccgntgg	gatgcgaaag	tttnttggtt	tcagcttcat		240
ttccgtgaag	ggcaccnnga	actcgaagcc	cttccag				277

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

<400>	942						
cagagncnag	tttattgcac	tgactcaaag	cacaactaaa	aattaaaacc	agaaagaaaa		60
ctgtacaaag	cacgaagcta	caacttttaa	agcatcacct	agacgcgggt	ttaattgcac		120
tacagnccat	gggtgaggag	agctttncat	ccgtgagcgc	cgggcaagga	caacagacac		180
agagagatgc	agcccgctg	ggntcatctg	ctgcaccaac	ttttacaaaa	ggttctagaa		240
aagggaagtn	tnaagtcaga	tctgggattt	cggcatcttg	acctcatttg	gacatggaaa		300
acctccacct	atgtggctgg	ctgggtcctg	tcagagaaca	tattttatca	ccctccacct		360
gcggcctggg	ggntccctga	caccaaggac	tnggcctggg	caggg			405

<210> 943  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 943  
 ttttttcgttt ccatacagtt ttatttgcaa tttgttgga ccatggagaa caatcggcag 60  
 atacacatgt tgcttctggg aacagcattc aactccagat gctttttctg ctaaggagca 120  
 gggccacagg tnncaancna cccagtgtctg tgctgcgcgg agggctgtac tgaaggttct 180  
 gaaggcctgg ngagtcctccc tcacggccag aaggagagac ccggcttcgg cttcatggcc 240  
 ggccctccgc agtntctgcc cagctcctct gcatcccagc gcccttgctg ggaggctagc 300  
 caagaggtgg gtcaacaata cgtgggatag aaggggagtg ggagacacan tttcaccagc 360  
 agcttggtcat ccaggggagc agggaaagaa gtnttttggg tcacaatttg ggaatcattt 420  
 cacctttcaa gaaattaagg acagggcaca gcgttaaggg gggtnnttttn c 471

<210> 944  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 944  
 agagctctag cacatttatt cgggagagta agcctgggaa agactaaggg agtgggtggca 60  
 gggagaaagg ctgtggggaa tcagagcggg tgctcagttg ggtcttgaag ganannnnnn 120  
 ngnnngtggg aggtgggttn ccgaggatat cttgggtgaa gacttggggg tcaagacaaa 180  
 gggacttagg gggatggggg ctgggttagag ttggggaggg ggcctaggac atccgtgcag 240  
 agtctgggga ggttgggggt ggagagtctg tacaagtttg gtgttgggtg ttctagttgg 300  
 cctggtgtcc aagagttggg gcagtcgaa aaaggggttc agagtctggg gtggctggct 360  
 ggggtttcac ggcanaaaat gggctggaag gggcagttgt aaactgtctg gttgcaagg 420  
 aaag 424

<210> 945  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 945  
 ttaaaaagta gactatatat atatatatct tcatatatgc ctatttacat ataaatagat 60  
 atatatacat atacacgcat ctataaatta cattctatgg agagttctct ttcttccctcc 120  
 tatctttggc cagggcctct gnttctctct agaggtggct ggtgggtggc cctgtgaggg 180  
 aggaaaggca gctgggtgcc cctccccca gcccttccca ctgatatctg ctgcgagttt 240  
 tacattctac tttcggtgcc atgggttctg taccctagga gagaggcgat gcgganctcc 300  
 gccagccctg cgaggaggag aagcagcccc atggcaggtt ttctgtctgt cctaagagct 360  
 ttctgcattt actgggtgag agagagggca gctgtgcagc gttcggcctc caattccatt 420  
 ttaattttgt ttctttgttt gtctttctct aaatatacag tccatcacct tggctccagt 480  
 gcatgtcacc aaaaattctc cagggatttc atagtttgga cctcgggtgg gtggctngcc 540  
 aggatatcca tgcaggangc tgcactctga nagg 574

<210> 946  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 946  
ttgacgttgg cagtgcacatt tattttttctn nggggagggg agttatatac agcagtgcacc 60  
cggagcccct cacccccacc aggcttaggt ggggacagga ggcgttggca gaaggcacac 120  
agtggcagta gccagaagag gccaggaagt aaggggtgggt atgtgatgtg tcctggggaga 180  
cccagatgag gaaattgagg ctccagtgcagg gcctcaggtc acacagtaag gtgcgaagga 240  
gctagtcccc agagcttgtg gtgggttgcct ctctcttgcc tgggctacag gaggacgcag 300  
gggcagcccc cgcccttctt cctggggggca ctgggagggc tcggtgggag ctcttgttcc 360  
tggtatttcc ggacagcccc caccagctgc ttcaaaagcc tcgtccacgt tgagacgcat 420  
tttggccga 429

<210> 947  
<211> 467  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 947  
ggtacaaaag gtgtctttat tgaggtctgg gttaaaatta ggcacttggc cagagcagca 60  
gcttaaatat gaggcaagca gtcaggggtt agccatgcct gggmntgggt tggggtcagt 120  
aggctacagg cacagactgt ccccaggtgg acagaagttn ggagcaggan nnnnngnnng 180  
nnngggccgc anancagcct gggtcagagg cctgggtgggc nagcccagtg ggactaggca 240  
ggaagctctg gtggcaggtc cagcagngag gggaccagga tctcttgctc cacgtgcccc 300  
ttagaccag gcctgagcct ctggnagnng gcagccgcac ttggcagggc ggtcttccca 360  
agcctcactt ncttcacctt ngcatcgtag gtgccttgca ttcttgtagg cgctcacgta 420  
gccactgtcg tccaggatgt cctgccgtcc cgcaatgccc ttgccct 467

<210> 948  
<211> 852  
<212> DNA  
<213> Homo sapiens

<400> 948  
cttgacgttg cccacctcac cctcagctct ggctctttac tcacctcta ccacagacat 60  
ggctcagtc ctggctctga gctcctttat cctggttctg gcctttggca tccccaggac 120  
ccaaggcagt gatggagggg ctccaggactg ttgcctcaag tacagccaaa ggaagattcc 180  
cgccaagggt gtccgcagct accggaagca ggaaccaagc ttaggctgct ccatcccagc 240  
tatctgttc ttgccccgca agcgtctctc ggagagcta tgtgcagacc caaaggagct 300  
ctgggtgcag cagctgatgc agcatctgga caagacacca tccccacaga aaccagccca 360  
gggctgcagg aaggacaggg gggcctccaa gactggcaag aaaggaaagg gctccaaagg 420  
ctgcaagagg actgagcggc cacagacccc taaaggggca tagcccagtg agcagcctgg 480  
agccctggag accccaccag cctcaccaac gcttgaagcc tgaaccaag atgcaagaag 540  
gaggctatgc tcagggggccc tggagcagcc accccatgct ggctttgcca cactctttct 600  
cctgctttta ccaccccatc tgcattccca gctctacct gcattggctga gctgccaca 660  
gcaggccagg tccagagaga ccgaggagg agagtctccc agggagcatg agaggaggca 720  
gcaggactgt ccccttgaag gagaatcatc aggacctgg acctgatacg gctccccagt 780  
acacccacc tcttcttctg aaatatgatt tatacctaac tgaataaaaa gctgttctgt 840  
cttcccaccc gc 852

<210> 949  
<211> 1364  
<212> DNA  
<213> Homo sapiens

<400> 949  
aggggactgg ggccaagagc cgggagcgcg ggcgcaaagg caccagggcc cgcccagggc 60  
gccgcgcagc acggccttgg gggttctgcg ggcttctggg tgcgcgtctc gcctctagcc 120

atgggggtccg	cagcgttggga	gatacctgggc	ctggtgctgt	gcctggtggg	ctggggggggt	180
ctgatcctgg	cgtgcgggct	gcccattgtgg	caggtgaccg	ccttcctgga	ccacaacatc	240
gtgacggcgc	agaccacctg	gaagggcctg	tggatgtcgt	gcgtggtgca	gagcaccggg	300
cacatgcagt	gcaaagtgtg	cgactcgggtg	ctggtctctga	gcaccgaggt	gcaggcggcg	360
cgggcgctca	ccgtgagcgc	cgtgctgctg	gcgttcggtt	cgctcttcgt	gaccctggcg	420
ggcgcgcagt	gcaccacctg	cgtggccccg	ggccccggcca	aggcgcgtgt	ggccctcacg	480
ggaggcgtgc	tctacctgtt	ttgcgggctg	ctggcgctcg	tgccactctg	ctggttcgcc	540
aacattgtcg	tccgcgagtt	ttacgaccgc	tctgtgcccg	tgtcgcagaa	gtacgagctg	600
ggcgcagcgc	tgtacatcgg	ctgggcgggc	accgcgctgc	tcatggtagg	cggctgcctc	660
ttgtgctcgc	gcgctggggt	ctgcaccggc	cgtcccgacc	tcagcttccc	cgtgaagtac	720
tcagcgccgc	ggcggcccac	ggccaccggc	gactacgaca	agaagaacta	cgtctgaggg	780
cgctgggcac	ggccggggccc	ctcctgccag	ccacgcctgc	gaggcggttg	ataagcctgg	840
ggagccccgc	atggaccgcg	gcttcgcgcg	ggtagcgcgg	cgcgcaggct	cctcggaacg	900
tccggctctg	cgccccgacg	cggctcctgg	atccgctcct	gcctgcgcc	gcagctgacc	960
ttctcctgcc	actagcccg	ccctgccctt	aacagacgga	atgaagtttc	cttttctgtg	1020
cgcggcgctg	tttccatagg	cagagcgggt	gtcagactga	ggatttcgct	tcccctcaa	1080
gacgctgggg	gtcttggtcg	ctgccttact	tcccagaggc	tctgctgac	ttcggagggg	1140
cggatgcaga	gcccggggcc	cccaccggaa	gatgtgtaca	gctggtcttt	actccatcgg	1200
caggcccag	cccagggacc	agtgacttgg	cctggacctc	ccggtctcac	tccagcatct	1260
ccccaggcaa	ggcttgtggg	caccggagct	tgagagaggg	cgggagtggg	aaggctaaga	1320
atctgcttag	taaattggtt	gaactctcaa	aaaaaaaaaa	aaaa		1364

```
<210> 950
<211> 1301
<212> DNA
<213> Homo sapiens
```

<400>	950								
gggcacgcgc	accaccgccc	gcagcgcagc	cgcgcgccgc	gcaggccccg	cagccggccc			60	
agcccgccgc	caccggccgc	ggctgcctcc	agaggacctg	gtccagacaa	gatgtgaaat			120	
ggagaagtat	ctgacacctc	agcttcctcc	agttcctata	attccagagc	ataaaaagta			180	
tagacgagac	agtgcctcag	tcgtagacca	gtttcttact	gacactgaag	ggttacctta			240	
cagtatcaac	atgaacgtct	tcctccctga	catcactcac	ctgagaactg	gcctctacaa			300	
atcccagaga	ccgtgcgtaa	cacacatcaa	gacagaacct	gttgccattt	tcagccacca			360	
gagtgaaacg	actgcccttc	tcgggccccg	accaggccc	tcctgagtt	caccagtata			420	
ttcagctcac	accagaccgc	agctccagag	gtgaacaata	ttttcatcaa	acaagaactt			480	
cctacaccag	atcttcatct	ttctgtccct	accagcagg	gccacctgta	ccagctactg			540	
aatacaccgg	atctagatat	gccagttct	acaaatcaga	cagcagcaat	ggacactctt			600	
aatgtttcta	tgtcagctgc	catggcaggc	cttaacacac	acacctctgc	tgttccgcag			660	
actgcagtga	aacaattcca	gggcatgccc	ccttgccat	acacaatgcc	aagtcagttt			720	
cttccacaac	aggccactta	ctttcccccg	tcaccaccaa	gtcagagcc	tgggaagtcca			780	
gatagacaag	cagagatgct	ccagaattta	acccacctc	catectatgc	tgtacaatt			840	
gcttctaaac	tggcaattca	caatccaaat	ttaccaccca	ccctgccagt	taactcacia			900	
aacatccaac	ctgtcagata	caatagaagg	agtaaccccc	atttgagaaa	acgacgcctc			960	
cactactgcg	attaccctgg	ttgcacaaaa	gtttatacca	agtcttctca	tttaaaagct			1020	
cacctgagga	ctcacactgg	tgaaaagcca	tacaagtgtg	cctgggaagg	ctgcgactgg			1080	
aggttcgcgc	gatcggatga	gctgaccgcg	cactaccgga	agcacacagg	cgccaagccc			1140	
ttccagtgcg	gggtgtgcaa	ccgcagcttc	tcgcgctctg	accacctggc	cctgcataatg			1200	
aagaggcacc	agaactgagc	actgcccggtg	tgacccggtt	cagggtccct	gggctccctc			1260	
aaatgacaga	cctaactatt	cctgtgtata	aacaacaacc	c				1301	

<210> 951  
 <211> 6611  
 <212> DNA  
 <213> Homo sapiens

```

<400> 951
tgactgcatc acctggctctg tgaattttcc attagaagct tgggtgtgctg ttaggtgaaa      60
gacttgctca gctatgcgtc attgggtttt atcaacatat aggcgaaaaa aatcctggtc      120
tctgagtgtg cagctgagat gaaaatttct tttattggag gaagtattga gtgtgtgctc      180
tcaaatgcgg cctcagttga gtagtgcatc cctgagtttt ggaagcaa attgcaaacia      240
ttgagagtcg tacagtgggt gttctaactg gattcaggtt ttttcta atg taattttttc      300
acacgtaaat taaaaagttt agaaatgtca cacataactt cataaactt tatggagaaa      360
tggttgtact tttaattttt ttctttttat ttatactcca actgactgag cagaggttgt      420
acttctaaat aactttgtgg aagtttttag taccataatt ttataattt tcattccagt      480
cctttgatat ttatgacagt acttctgaag cgcttactga gtgccggaca ctggtgtaag      540
tgctttacgg aacttgactt tttttttttt ttgagacgga ctctcgctct gtccgccagg      600
ctggagtgtg gtggtgcagt ggctcgatct cggctcactg ccacctctcc ctcatggttt      660
caaacacttc tcctgcctca gcctcccagg tagccaggat tatagccgcc cgccaccact      720
cccgactaat tttattttgt atgttctttt ttagtagaga cggaggagtt tcaccatgtt      780
ggccaggctg gtatcgacct cctgacctca agtgatgtgt ccactctggc ctcccaaggt      840
gctggaatta caggtgtgag ccactgtgct cggcctacct tttttttttg tttttgttt      900
ttttgaaaag gagtttcgct cttgtccagg ctggagtata atggtgcat ctcatctcac      960
cgcaatctcc gcctcccaga ttcaagcgat tctcctgcct cagcctctc aggagctggg      1020
attacaggcg cccaccgcc a tgcgcggcta atttttgtat ttttagtaga gacggggttt      1080
cactatattg gccaggctgg tctcgaactg ctgacctcaa gtaatccgcc tgcctcagcc      1140
tcccaaagtg ctgggattac agacgtgatc caccaggatc acaccaggcc gcgcctggcc      1200
tgctttcatt ttaaaagtca aatttgtcat ccgcctcagt gcttgtaatc ttttctgagt      1260
gagatactga aatttgcagt ttctgttttg ttgcacttgt tctactggacc agtagtact      1320
gttaaatgta aaagtatcta ctctctctga aagtttttta ttcttttatt tctgcctgg      1380
gcttgctctc caccctacat gtatgcgtag tagatttagt gtttgttatc ctaaccttta      1440
ggtttaggga ttgactgggt ttctgacttt ttatttggcc aatgaggacg atacagaaaa      1500
tgaagcattg gtcattatca cattttaacg ctgaaaaagt aagaaggaca accccggaat      1560
aaaatgatat cagtatcaag ataaaaagttt ggaatgggag aaaaattctc aaagcctgaa      1620
agaaaatctg tagttacttt tgggtgacgt gtccagttcc cacaatgtat cattccttat      1680
ctgaaactag acatcctctg cagccagaag aacaagaagt aggcattgac cccttgctca      1740
gttactctaa caagtctgga ggagattcaa ataaaaatgg aagaagaaca agttctactt      1800
tagactctga agggactttt aattcctata ggaaagaatg ggaagaacta tttgtaaaaa      1860
acaattactt ggcaacaata aggcagaagg ggattaatgg gcagctgaga agcagcaggt      1920
tccgcagcat ttgctggaag ctatttcttt gtgttcttcc tcaagacaaa agtcaatgga      1980
taagtagaat tgaagaatta agagcatggt atagcaacat taaagaaata catattacca      2040
acccgaggaa ggttggtggc caacaagatt tgatgatcaa taatcctctt tcacaggatg      2100
aagggagtc ttggaacaaa ttcttccaag ataaagaact tcatcaatg attgaacaag      2160
atgtcaaaag aacgtttcct gaaatgcagt ttttccagca agaaaatgtg agaaaaattc      2220
ttacagatgt tcttttctgt tatgccagag aaaacgagca gttgctttat aaacagggca      2280
tgcacgaact gttagacct atagtctttg tcttctactg tgaccaccaa gcttttctac      2340
atgccagtga gtctgcacag ccagtgagg aaatgaaaac tgtcttgaa cctgagtatc      2400
tggaacatga tgctatgca gtgttctcac aacttatgga aactgctgaa ccttgggttt      2460
caacttttga gcatgatggt cagaagggga aagaaacact gatgactccc attcctttg      2520
ctagaccaca agatttaggg ccaacaattg ctattgttac taaagtcaac cagatccagg      2580
atcatctact gaagaagcat gatattgagc ttacatgca cttgaacaga ctagaattg      2640
caccacagat atatgggtta aggtgggtgc ggctgctatt tggacgagag ttccccctgc      2700

```

aggaccttct	ggtggtctgg	gatgccttgt	ttgcagacgg	cctcagcctg	ggtttagtag	2760
attatatctt	cgtagccatg	ttactttaca	tccgagatgc	tttgatctct	agtaactacc	2820
agacctgtct	cggccttctg	atgcattacc	cattcatcgg	ggatgtacac	tactgatctc	2880
ttaaggctct	gttccttaga	gatccaaaga	gaaatccaag	accagtgact	tatcaattcc	2940
atccaaattt	agattattac	aaagcacgag	gagcagacct	catgaataaa	agccggacca	3000
atgccaaagg	tgctcccctg	aatataaata	aggtctctaa	tagcctgatt	aatttttgaa	3060
gaaagttgat	ttccccagca	atggctccag	gcagtgcagg	tggccctgta	cctggaggca	3120
acagcagtag	ctcctcctct	gttgtaattc	ctaccaggac	ctcagcagag	gccccaaagg	3180
atcacttgca	acagcaacag	cagcagcaga	ggctgatgaa	atcagaaagc	atgcctgtgc	3240
aattgaacaa	agggctaagt	tctaaaaaca	tcagttcatc	tccaagcgtt	gagagtttgc	3300
ctggaggaag	agaattcact	ggctctccac	cttcatctgc	tactaaaaaa	gattcctttt	3360
ttagcaacat	ctcacgttct	cgctcacaca	gcaaaactat	gggcagaaaa	gaatctgaag	3420
aagaattaga	agcccaaatt	tccttccttc	aagggcagtt	gaatgacctg	gatgccatgt	3480
gcaaatactg	tgcaaagggtg	atggacactc	atcttgtaaa	tattcaagat	gtgatattac	3540
aagaaaattt	ggaaaaagaa	gatcaaattc	tggtttccct	ggcaggatta	aaacagatca	3600
aagacattct	aaaagggttc	ctgcgtttta	accagagcca	gctagaggcc	gaagagaacg	3660
aacagatcac	cattgcggac	aaccactact	gctccagcgg	ccagggccag	ggccgaggcc	3720
aaggccagag	cgttcaaagt	tcaggggcca	ttaaacaggc	ctcttcagaa	acgccagggt	3780
gcactgatag	aggggaattcc	gatgacttca	tcttgatttc	caaagatgat	gatgggagca	3840
gtgccagggg	ctccttctcc	ggccaggccc	agcctcttcg	caccttcaga	agcacctctg	3900
ggaaaagcca	ggccccagtc	tgctcccac	tgggtgtctc	agatccactg	atggggccag	3960
cctcagcttc	ctccagcaac	cccagctcca	gtcctgatga	cgacagcagc	aaggactctg	4020
gcttcacat	tgtgagtcct	ctggacatct	gaccacagtg	cccagtcctg	ccccacaggg	4080
atctagccac	ccttcagtgg	ccccaaaggc	agactgaggc	tcacccagtg	gagaaccttc	4140
ttaaaccact	gcttccttcc	cggcatgcat	ttggcattgg	tccagccctt	tgaaaccctt	4200
tagagagaag	catatatggc	cacaaagcac	agaggcttag	gtttgccaca	tgacagacagg	4260
gctttctggg	cccttaccta	atccccaccc	gactcttgct	ctgagttaga	gctgagttac	4320
gtaccagta	tcacactcac	agttagaaaa	gaccgaatca	caatttagaa	tcacttttcc	4380
tctgtccctt	tctccccagc	taagaatgtg	tggcacctcc	atcagttata	cttagaagga	4440
gcagaaatag	ttattttcgt	atcttctatc	cctcaaagca	tcagacatgg	gaaaattgggt	4500
ttataccaag	aaagcttccct	ctgtggaaat	ctgtctcagc	ctactttatt	cctgcattgg	4560
gaagccatat	cgagagccta	aatgcaatag	aatgaaccag	aactagtggg	ttccagggct	4620
gggggaaaaa	aaaaaaagaa	aaaacctcat	tactgacctc	tcaaagttat	aaggatctct	4680
gcaaacagga	tctaagctta	ggaataatat	ttaggtgtga	tatagtgtta	gatttttttg	4740
atgtattaaa	gaatgcatct	ccaatcctta	ggccatatca	actttggcca	tcaatatctc	4800
tccttaaaaa	attatatttc	acctttttaga	atctttcata	gccagaaaac	aagattactg	4860
taagccagtt	ttagctgcac	tgatttcaaa	agatataaga	atattactat	ccttcaaagt	4920
gaaaatgcga	ccttgacttt	atgggataaa	catctttcag	acagtcatgt	ttctagtcag	4980
gtttctctgg	tttcagagct	gtatatacct	gtcaactgag	gaataaaggg	aaaaacccaa	5040
gttcattccc	acccaaagtc	agaatccctc	attggcctta	aggtagcagt	cataagacag	5100
agaattggac	ctagagtcct	ttctgtgggg	aataaggata	cctagagaac	attccacatg	5160
ccaagaggat	gcaggatttc	tacacaaccc	cttcccttct	tgggaagtcaa	gtgtaggtac	5220
tgaggggcct	gtgctcagct	gtgaaccccg	tatcctgggc	cccactgccg	ggaccgggtc	5280
tgacatgcca	gtgccttccct	gggctgagca	cagattagag	actctcccc	ttgtcagtc	5340
gcaccttagg	aaaccatgat	gggcacagag	catcacatga	gctgtttctc	tccttaaaga	5400
agatccctgg	aaaggatgct	tttcctctcc	tttgcctgcg	caggaattct	aacaggagtg	5460
ggtgaggatg	gcagagggac	acagtgcctg	tctcgcctcc	atcagggaga	gcagccatgc	5520





```
<210> 954
<211> 1230
<212> DNA
<213> Homo sapiens
```

<400>	954						
gaatcaattc	ctccaaaccg	caagaacagt	aacattttatt	attcaaaaaa	acaaaaacca		60
gattatagga	tatgacattt	ggtataacaa	taatgttatt	gaaaaatgga	aaaatgatcc		120
attaatggct	tgggctaaaa	attcggggga	cagcctaggg	gcctggatct	attgcctact		180
tagagagagg	ccaactcaga	cacagccgtg	tatgctccca	gcagcaacgg	aggttcacgt		240
ccgcctgcag	ggacagaaag	acatgggtctg	gaaatggatg	ccacttctgc	tgcttctggt		300
ctgtgtagcc	accatgtgca	gtgcccagga	caggactgat	ctcctcaatg	tctgtatgga		360
tgccaagcac	cacaagacaa	agccagggtcc	tgaggacaag	ctgcatgacc	aatgcagtcc		420
ctggaagaag	aatgcctgct	gcacagccag	caccagccag	gagctgcaca	aggacacctc		480
ccgcctgtac	aactttaact	gggaccactg	cggcaagatg	gagcccgccct	gcaagcgcca		540
cttcatccag	gacacctgtc	tctatgagtg	ctcacccaac	ctggggccct	ggatccagca		600
ggtgaatcag	acgtggcgaa	aagaacgctt	cctggatgtg	cccttatgca	aagaggactg		660
tcagcgctgg	tgggaggatt	gtcacacctc	ccacacgtgc	aagagcaact	ggcacagagg		720
atgggactgg	acctcaggag	ttaacaagtg	cccagctggg	gctctctgcc	gcacctttga		780
gtcctacttc	cccactccag	ctgccctttg	tgaaggcctc	tggagtcact	catacaagggt		840
cagcaactac	agccgagggg	gcggccgctg	catccagatg	tggtttgatt	cagcccaggg		900
caaccccaac	gaggaagtgg	cgagggttcta	tgctgcagcc	atgcatgtga	atgctggtga		960
gatgcttcat	gggactgggg	gtctcctgct	cagtctggcc	ctgatgctgc	aactctggct		1020
ccttggtgta	gttcagtcct	cccagactac	ctgccctcag	cttggataac	caggctgggc		1080
tcagctcagc	tcccacaaat	gacagccctt	taagcatgct	tctattagtc	acctaaccct		1140
ctgtcaccca	gtctgtttgct	gctccatggt	ggggccaaga	gtcacttcta	ataaacagac		1200
tgttttctaa	taaaaaaaaaa	aaaaaaaaaaa					1230

```
<210> 955
<211> 2269
<212> DNA
<213> Homo sapiens
```

<400>	955						
ccggtttcctc	ccctcccctc	cactcggcgc	tccctccttc	ctcctccctc	ctccctcctc		60
ctcccgcctc	tgaagagcgc	gccgcgtggg	ggacggcccg	gttacttcct	ccagagactg		120
acgagtgcgg	tgtcgtcca	gctcagagct	cccggagccg	cccggccagc	gtccggcctc		180
cctgatcgtc	tctggccggc	gccctcgccc	tcgcccggcg	cgcaccgagc	agccgcgggc		240
gccgagcagc	caccgtcccg	accaagcgcc	ggccctgccc	gcagcggcag	gatgaatgat		300



```

<210> 957
<211> 1011
<212> DNA
<213> Homo sapiens

<400> 957
ggttttat tttt ccagatgcaa tcaatgcccc agtcacctgc tgttataact tcaccaatag      60
gaagatctca gtgcagaggc tcgcgagcta tagaagaatc accagcagca agtgtcccaa      120
acaagctgtg atgtgagttc agcacaccaa cttccctgg cctgaagttc ttccttgtgg      180
agcaagggac aagcctcata aacctagagt cagagagtgc actatttaac ttaatgtaca      240
aaggttccca atgggaaaac tgaggcacca agggaaaaag tgaaccccaa catcactctc      300
cacctgggtg cctattcaga acaccaatt tctttagctt gaagtcagga tggctccacc      360
tggaacaccta taggagcagt ttgccctggg ttccctcctt ccacctgcgt tcctcctcta      420
gctcccatgg cagccctttg gtgcagaatg ggctgcactt ctagaccaa actgcaaagg      480
aacttcactc aactctgtcc tccctcccca cagcttacag accattgtgg caaggagatc      540
tgtgctgacc ccaagcagaa gtgggttcag gattccatgg accacctgga caagcaaacc      600
caaactccga agacttgaac actcactcca caaccaaga atctgcagct aacttatttt      660
tccttagctt tcccagaca ccttgtttat ttattataa tgaattttgt ttgttgatgt      720
gaaacattat gccttaagta atgttaattc ttatttaagt tattgatgtt ttaagtttat      780
ctttcatggg actagtgttt tttagatata gagacttggg gaaattgctt ttcctcttga      840
accacagttc taccctggg atgttttgag ggtctttgca agaatacatta atacaaagaa      900
ttttttttta cattccaatg cattgctaaa atattattgt ggaaatgaat attttgaac      960
tattacacca aataaatata tttttgtaca aaaaaaaaaa aaaaaaaaaa a      1011

```

```

<210> 958
<211> 1031
<212> DNA
<213> Homo sapiens

<400> 958
gtctgcccc gccccttcag atggccaagc tgcggagcct cctctccagt gctgagaacg      60
agccccagt gcctcttgtg agcaactggc gacctccaca gcctatcaat aacaggggtgg      120
tgagagcttc cttcaaatga ggctgctgga tcttgccctc ttcaggaaag gaaacctacc      180
attggagagc ttggttcctt gcctccttct ggtgctctta ctccaagtct atttcatttt      240
tccacactga gcaatgaatg tgagagatgt ggtcaccaag atctaagtta cttggtgaaa      300
gaaagttact ttcgacaaga tctaataatga aagcatagat ttcacatttg atctctgtaa      360
taatcatctt tcctataaaa gtagcatttt tggtaaagtt tcaaagaaga agaaacagag      420
atggaagagt aaagatat tttaaatggc tagctattgg gcaccagttt ttctgttatc      480
taaaatttca cacaacttca tgtttttatt tttatattat gagttgtcca tcttaagaa      540
atatgagtaa ttctacatgt agtagagggtg tatgaagatc atataacaat taaacataag      600
ccagaaatta aaatgactat agacagcaag aattgagcta ataatatgtt ttaactctta      660
acaccagcaa gaagtcagtc atttattgaa gttttagcta ctaagattac ttggttttga      720
ttaccagtga aaagaaaaca caataacaatc aggagttttc aaatttttga ttcagtattt      780
gaatttcttc ttcataaatg tagttggaat ttatcctagt atttttcttt acctgaagga      840
gggccattta tttttaattt cactacattt ttctttgcat gattattaaa ataaaaactg      900
cctctgttgt gtttctcact ggaggctgga atgaatgatc actagaacac aaaagagtga      960
atgatgacac ttgaagtcaa agcagttgta ctgatcacca gaaccaataa agacataaat      1020
ggaaaacggt g      1031

```

```

<210> 959
<211> 2689
<212> DNA
<213> Homo sapiens

<400> 959
ggctggggcc tgaggcctgg ggctcaccca cgccccgcc gacgcctgcc gcgccgccgc      60
caccgccgcc acccgagacc ccgggtggct cgcaggacac ctgtacgtcg tgcggcggct      120

```

```

tccggcgggc agaggagctc ggccgagtg acggcgactt cctggaggcg gtgaagcggc 180
acatcttgag ccgcctgcag atcgggggcc ggcccaacat cacgcacgcc gtgcctaagg 240
ccgccatggt cacggccctg cgcaagctgc acgcgggcaa ggtgcgcgag gacggccgcg 300
tgagatccc gcacctcgac ggccacgcca gcccgggccc cgacggccag gagcgcgttt 360
ccgaaatcat cagcttcgcc gagacagatg gcctcgcttc ctcccgggtc cgcctatact 420
tcttcatctc caacgaaggc aaccagaacc tgtttggtgt ccaggccagc ctgtggcttt 480
acctgaaact cctgccctac gtcctggaga agggcagccg gcggaagggt cgggtcaaag 540
tgtacttcca ggagcagggc cacggtgaca ggtggaacat ggtggagaag aggggtggacc 600
tcaagcgcag cggctggcat accttcccac tcacggaggc catccaggcc ttgtttgagc 660
ggggcgagcg gcgactcaac ctagacgtgc agtgtgacag ctgccaggag ctggccgtgg 720
tgccggtgtt cgtggaccca ggcgaagagt cgcaccgacc ctttggtgtg gtgcaggctc 780
ggctgggcca cagcaggcac cgcattcgca agcgaggcct ggagtgcgat ggccggacca 840
acctctgttg caggcaacag ttcttcattg acttcgcctt catcggtctg aacgactgga 900
tcatagcacc caccggctac tacggcaact actgtgaggg cagctgcca gcctacctgg 960
caggggtccc cggctctgcc tcctccttcc acacggctgt ggtgaaccag taccgcatgc 1020
ggggtctgaa ccccgccacg gtgaactcct gctgcattcc caccaagctg agcaccatgt 1080
ccatgctgta cttcgatgat gagtacaaca tcgtcaagcg ggacgtgccc aacatgattg 1140
tgaggagtg cggctgcgcc tgacagtgca aggcaggggc acggtggtgg ggcacggagg 1200
gcagtcgccg gtgggcttct tcagcccc cgcggaacg gggtagacgg tgggctgagt 1260
acagtcattc tgttgggctg tggagatagt gccagggtgc ggctgagat attttctac 1320
agcttcatag agcaaccagt caaaaccaga gcgagaacct tcaactgaca tgaaatactt 1380
taaaatgcac acgtagccac gcacagccag acgcattcct ccacccacac agcagcctcc 1440
aggataccag caaatggatg cggtgacaaa tggcagctta gctacaaatg cctgtcagtc 1500
ggagagaatg gggtgagcag ccaccattcc accagctggc ccggccacgt ctggaagttg 1560
cgcttccc agcacacata aaagcacaaa gacagagacg cagagagaga gagagagcca 1620
cggagaggaa aagcagatgc aggggtgggg agcgagctc ggcggaggct gcgtgtgccc 1680
cgtggctttt accaggcctg ctctgcctgg ctgatgtct gcttcttccc agcctgggat 1740
ccttcgtgct tcaaggcctg gggagcctgt ccttccatgc ccttgtcgag ggaaagagac 1800
ccagaaagga cacaaccctg cagagacctg ggagcagggg caatgaccgt ttgactgttt 1860
gtggcttggg cctctgacat gacttatgtg tgtgtgtgtt tttgggggtg ggagggaggg 1920
agagaagagg gggctaaatt tgatgcttta actgatctcc aacagttgac aggtcatcct 1980
tgccagttgt ataactgaaa aaggactttt ctaccaggta tgacctttta agtgaaaatc 2040
tgaattgttc taaatggaaa gaaaaaaagt tgcaatctgt gcccttcatt ggggacattc 2100
ctctaggact ggtttgggga cgggtgggaa tgaccctag gcaaggggat gagaccgcag 2160
gaggaaatgg cggggaggtg gcattcttga actgctgagg atggggggtg tcccctcagc 2220
ggaggccaag ggaggggagc agcctagtgt gtcttgagga gatggggaag gctttcagct 2280
gatttgca gaattgccat gtgggcccac ccatcagggc tggccgtgga cgtggcccct 2340
gccactcac ctgccgcct gcccgccgc ccgcatagca cttgcagacc tgcctgaacg 2400
cacatgacat agcacttgcc gatctgcgtg tgcccagaag tggcccttgg ccgagcgccg 2460
aactcgctcg cctctagat gtccaagtgc cagtgaaact atgcaattta aagggttgac 2520
ccacactaga cgaaactgga ctctgacgac tctttttata ttttttatac ttgaaatgaa 2580
atcctttgct tcttttttaa gcgaatgatt gcttttaatg tttgactga tttagttgca 2640
tgattagtca gaaactgcc tttgaaaaaa aagttatttt tatagcagc 2689

```

<210> 960  
 <211> 2875  
 <212> DNA  
 <213> Homo sapiens

<400> 960  
 gaattctccg gagctgaaaa aggatcctga ctgaaagcta gaggcattga ggagcctgaa 60



<210> 961  
<211> 2542  
<212> DNA  
<213> Homo sapiens

```

<400> 961
actccagggtg gtagtgctcg ctctggcgca gattagaggt ccaccgggag agcggggccc      60
cccgggtccc ccgggaccgc cgggagtgcc tggatccgac ggcatcgacg gtgacaatgg      120
gccccctgga aaagctggcc ctccgggacc caagggcgag cctggcaaag ctggggccaga      180
tggggccagac gggaagcccg ggattgatgg tttaactgga gccaaggggg agcctggccc      240
catgggggatc cctggagtca agggccagcc cgggcttcct ggtcctcctg gccttcgggg      300
ccctgggtttt gctggacctc ctgggcctcc tggacctgtt ggcctccctg gtgagattgg      360
aatccgaggc cccaaggggg accctggacc agatggacca tcggggcccc caggaccccc      420
tgggaaacct ggtcgcccgg gaaccatcca gggctctgaa ggcatgctgg atttcctgtg      480
tccaaccaac tgtccaccgg gaatgaaagg tccccaggg ctgcaggagg tgaaggggca      540
tgccgggcaaa cgcgggattc tgggtgatcc tggccaccag gggaagccgg gtcccaaggg      600
agatgtgggt gcctctggag agcaaggcat ccctggacca ccgggtcccc agggcatcag      660
gggctaccca ggcatggcag ggcccaaggg agagacgggc cctcatggat ataaaggcat      720
ggtgggctgct atcggtgcca ctgggccacc gggtaggaa ggtcctaggg gaccgccagg      780
ccgagctggg gagaaggggt acgagggcag ccaggtatt cgtggacccc aggggatcac      840
aggcccga aa ggagcaacgg gccccccagg catcaacggc aaggatggga cccaggcac      900
gcctggcatg aagggcagtg caggacaggc gggacagccc ggaagtccag gccaccaggg      960
cctagcgggt gtgccaggcc agcctgggac aaaaggaggc cctggagacc aggggtagcc      1020
gggcccgcag ggcttcctg gattctctgg tccccctggg aaagaggagg agccagggcc      1080
tcgaggagaa attggtcccc agggcatcat gggacagaag ggtgaccaag gcgagagggg      1140
tccagtgggg caaccaggcc ctcagggaag gcagggccct aaggggggagc agggccccc      1200
cggaattcca gggcccgaag gcttgccagg cgtcaaagga gacaagggt cccagggaa      1260
gaccggggccc cgcggcaaa ggggtgacct aggggtggcc ggcctccccg gagagaaagg      1320
cgagaagggc gagtccggcg agccggggcc caagggacag caaggagtac gtggagaacc      1380
cggctaccct gggcccagcg gggatgcggg cggcccaggg gttcagggt accctggtcc      1440
ccccggccct cgaggactgg ccgggaaccg aggcgtgccg ggacagccc ggagacaggg      1500
cgtggagggc cgggatgcc ctgaccagca catcgtggat gtggcgctga agatgctgca      1560
agagcaactg gcagaggtcg ccgtgagtgc caagcgggaa gccctgggtg cgggtgggcat      1620
gatgggtcct ccaggacctc ctgggcccc tgggtaccca ggcaagcagg gcccccatgg      1680
gcaccctggc cctcggggcg ttcctggcat cgtgggagcc gtgggtcaga tcggcaacac      1740
ggggcccaag ggaaaacgtg gagagaaggg tgatccagga gaagtgggac gggggcaccc      1800
cgggatgcct gggccccag ggatcccagg acttcctggc cggcctggcc aggcaatcaa      1860
cggcaaggat ggagatcgag ggtccccagg ggctccagga gaggcaggtc gacctggcct      1920
gccaggcccc gtggggtgc cgggcttctg tgaacctgcc gcctgccttg gagcttcggc      1980
ctatgcctct gcccgcctta cagagcctgg atccatcaag gggccttgag catcaggccc      2040
agacagagcc tggcaggcat cctggcggga aggaccaggc cccctctggt ggacatgcac      2100
ccatccccag tccaggaaac catctcccc aggaccttct gtctgggact caggagtcct      2160
aagga aaagg aattctaaaa catgggggaa ggggaggtag agcactgat ggtgaaaaag      2220
tgaggccaac acacagggca agtgggtgtc atggagtga agcgtgaag gaatagggcg      2280
gctttccttc cagcgagcat cattcggtg ttacaaaaac aaacatctta atctgcacct      2340
tcctccactg gccatcttgt ccttgggtca gtgggacatg ggcacctcg gagggccggg      2400
ccctgccag ctacagttcc acccctcagc ttgaggacca atactgaggt ctatgccagt      2460
tcctgatccc atctcactct ctggacctac taggtgactg ctgctggggg gactccccctg      2520
aggcggctat acccttaagc ca                                     2542

```

<210> 962  
<211> 450

<212> DNA  
<213> Homo sapiens

<400> 962  
gtgactgtga ggactgtgga taacctgctg gaggtgtctg cccggcaccc ccagcgcttg 60  
gaccgccacg gcttcgtgtc ccgagagttc tgccgcacct atgtcctgcc tgctgatgtc 120  
gacccttggc gagtccgagc tgctctctcc catgatggca tcttaaacct ggaagcacct 180  
cggggtggcc gacatttggga cacagaggtc aatgagggtc acatctccct gctccctgcg 240  
cctcctgatc cagaggaaga ggaggaggca gccatagttg agccctgatt gccacagacc 300  
cagcaccag caaatccctc tctacctccc aaggtgatat ggccagctgc ccaccactcc 360  
agaggtagca gcatccttgg gggaagggaa aggtgcatgg tccacaatgt atgggttggg 420  
cccatgggac atgtcatagc cttggtttag 450

<210> 963  
<211> 1435  
<212> DNA  
<213> Homo sapiens

<400> 963  
ttgtaacaga aaattaaaat atactccact caagggaatt ctgtactttg cccttttggg 60  
aaagtctcat ttacatttct aaacctttct taagaaaatc gaatttcctt tgatctctct 120  
tctgaattgc agaaatcaga taaaaactac ttggtgaaat gacttcttgt cacattgctg 180  
aagaacatat acaaaagggt gctatctttg gaggaaccca tgggaatgag ctaaccggag 240  
tatttctggg taagcattgg ctagagaatg gcgctgagat tcagagaaca gggctggagg 300  
taaaaccatt tattactaac ccagagcag tgaagaagtg taccagatat attgactgtg 360  
acctgaatcg catttttgac cttgaaaatc ttggcaaaaa aatgtcagaa gatttgccat 420  
atgaagtgag aagggctcaa gaaataaatc atttatttgg tccaaaagac agtgaagatt 480  
cctatgacat tatttttgac cttcacaaca ccacctctaa catgggggtgc actcttattc 540  
ttgaggattc caggaataac tttttaattc agatgtttca ttacattaag acttctctgg 600  
ctccactacc ctgctacgtt tatctgattg agcatcctc cctcaaatat gcgaccactc 660  
gttccatagc caagtatcct gtgggtatag aagttgggtc tcagcctcaa ggggttctga 720  
gagctgatat cttggatcaa atgagaaaaa tgattaaaca tgctcttgat ttataacatc 780  
atttcaatga aggaaaagaa tttcctccct gcgccattga ggtctataaa attatagaga 840  
aagttgatta ccccgggat gaaaatggag aaattgctgc tatcatccat cctaactctgc 900  
aggatcaaga ctggaaacca ctgcacctg gggatcccat gtttttaact cttgatggga 960  
agacgatccc actgggcgga gactgtaccg tgtaccccg ttttgtgaat gaggccgcat 1020  
attacgaaaa gaaagaagct tttgcaaaga caactaaact aacgctcaat gcaaaaagta 1080  
ttcgctgctg ttacatttag aatcacttc cagcttacat cttacacggg gtcttacaaa 1140  
ttctgctagt ctgtaagctc cttaaagagta gggttgtgcc ttattcaact gcatacatag 1200  
ctcctagcac agtgccttat tcggtaggca tctaagcaaa tttcttaaat taattaatat 1260  
atctttaaag atatcatatt ttatgtatgt agcttattca aagaagtgtt tcctatttct 1320  
atatagttta ttatacatga tacttgggta gctcaacatt ctttaataaac agcctttgta 1380  
ttcagaatat aaaattgaaa tagatatata taaagttaaa aaaaaaaaaa aaaaa 1435

<210> 964  
<211> 2330  
<212> DNA  
<213> Homo sapiens

<400> 964  
aaaggaccga ggcgtgcagc ggacagcaga tggatcccg gcgcagcagc tgcagagga 60  
gcctccagcc ccagccctt gtctggggct gccttcgaaa cccccactcg gaaggcaatg 120  
gggctcagg gctacccac taccgcca cccggtctc cttccaccag aaaccagact 180  
tcttggcgac agcgacggca gcgtaccctg acttctcagc ctctgctg gcagccacc 240  
cacacagcct gcccaggag gagcacatct tcaactgagca gcaccccgct tcccacagt 300  
cccccaactg gcaattccct gtctcagacg cccggcgag gcccaactca ggccggcgag 360  
ggggttccaa ggaaatgggg accagcagcc tgggcctggg ggacaccaca ggaggccag 420

gcgatgacta	cgggggtgctt	gggagcactg	ccaatgagac	agagaagaaa	tcatccaggc	480
ggagaaagga	gagttcagac	aaccaggaga	acagagggaa	gccggagggc	agcagcaaag	540
cccgcaagga	gaggacggcc	ttcaccaagg	agcagctgcg	agagctggag	gcagagtttg	600
cccatcataa	ctacctgact	cggctccgca	gatatgagat	tgcggtaaac	ctggacctct	660
ctgagcgcca	ggtcaaagtg	tggttccaga	accgaaggat	gaagtggaag	cgtgtgaagg	720
gaggtcagcc	catctcccc	aatgggcagg	accctgagga	tggggactcc	acagcctctc	780
caagttcaga	gtgagattct	gcatggagga	aaaatgacta	aggactgagc	cccctacca	840
actaccccca	ccccaatccc	accttcaccc	tcttccttcc	ccagccaggg	cagcctctcc	900
acatctttcc	ctgactcttg	gatatgaaac	tgcccagcat	tcttgggagt	cttaggattt	960
tctaggaagt	tctgtccagc	ctcttagcag	cctcttccct	agggcctttg	ctcccacact	1020
ctcatggaat	cagacagaga	tcttaccggg	ccggatgaat	ctggaaacag	cttcagagat	1080
actgcttctc	agcgtctctt	ggctgccacc	catgcctcct	cctaccgctg	ttctcctagg	1140
tcagccaggc	ctcctcctgg	tctggacacc	acctggcctg	gtgggagagg	agctttggaa	1200
ccagctggcg	actcggaaag	taaatgcttc	aaaaggaagg	aatgacaga	gacacacgcc	1260
cttgcccacc	ttcctctgta	ggctgcacat	ctgaggcttt	ggggcccctt	agttgtcccg	1320
aaaccccaag	aaaaatcaga	atgaggagag	tcaaggacag	caactcagct	gctgcaagcc	1380
agaaacacat	ccctgtctcc	aaatttgttg	gctaagtgga	gacacttctg	agaactgact	1440
agagaagaca	agaaaatagc	ccgatgtagg	tttcggtgtc	cccatatagg	ccccgtccac	1500
acaggcttga	ctgggtggac	agaatgaac	ccatgacagc	acctgctgct	tcaaaatcaa	1560
aatcaattta	gggatacagc	aggggctggt	gggctgtgct	ccagagaaaa	ggagcagcta	1620
ctccttttaa	atccacgatt	tctggattga	aaacctgtcc	agatgctgag	ttgttgggct	1680
gaacaactag	gagctgaaaa	caacgtagag	gctggaaagt	gtcccctgca	ttctggaggg	1740
gaggggagat	aataaggagg	gctgctgggt	gagggcctgg	agatgtggaa	ccctggagtg	1800
gaagggtttct	ccagtgacag	tgtcctgtga	cwgcaaaaagg	grasaagaaa	atccctcttc	1860
ctccatggga	tggatttaag	ctcttgctgt	gtgttctaca	aatgctgtta	ttgtgggagg	1920
aaatgctagg	tttttggtg	tggactgcc	agacctcagc	caggtcttct	ggagatgaca	1980
tttgaggact	gatggccaaa	gagcatgggg	gactgaagcc	ctggctgcct	cagcgtctctg	2040
tctcccaaca	ccagctggtg	ttgcagaggg	aggtcaacgt	gagtttgga	ctcttgtacg	2100
cagatgtaat	cattcacatg	taaaaataac	cccacctccc	caccccaaaa	agggcaagag	2160
ctgtggaaaa	tgattgccaa	atgagatggc	tggttagagc	atgatttttt	ctaaagcata	2220
cttcataatat	tttcttaaga	ttacatcaag	ctaattgtgc	gagctcaatt	cactttgtaa	2280
qaaaactctc	qgaqaaataa	aatcaataaa	aagccaaaaa	aaaaaataag		2330

```
<210> 965
<211> 1358
<212> DNA
<213> Homo sapiens
```

<400>	965						
cctgccctgg	aagcggatcg	aagtgatggc	cctgcccaaa	ccgggcgggg	cccacagcct		60
agccctggtg	acagtgccca	gcatgggcta	tgctcctgtt	cctcccccca	cctcactgca		120
gccctgctg	cccagcagc	ctgtgttcgt	agtgaagag	actgatggct	ccgtgactct		180
ggacaatggc	atcatccgag	tgaagctgga	cccaactggg	cgctgacgt	ccttggtcct		240
ggtggcctct	ggcagggagg	ccattgctga	gggcgcctg	gggaaccagt	ttgtgctatt		300
tgatgatgtc	cccttg tact	gggatgcatg	ggacgtcatg	gactaccacc	tggagacacg		360
gaagcctgtg	ctggggccagg	cagggaccct	ggcagtgggc	accgagggcg	gcctgcgggg		420
cagcgcctgg	ttcttgctac	agatcagccc	caacagtcgg	cttagccagg	aggttgtgct		480
ggacgttggc	tgcccctatg	tccgcttcca	caccgaggta	cactggcatg	aggcccacaa		540
gttcctgaag	gtggagttcc	ctgctcgcgt	gcggagttcc	caggccacct	atgagatcca		600
gtttgggcac	ctgcagcgac	ctaccacta	caatacctct	tgggactggg	ctcgatttga		660
ggtgtgggcc	catcgctgga	tggatctgtc	agaacacggc	tttgggctgg	ccctgctcaa		720



cgactgcaag	tatggcgcg	cagtgcgagg	cagcatectc	agcctctcgc	tcttgcgggc	780
gcctaaagcc	ccggacgcta	ctgctgacac	ggggcgccac	gagttcacct	atgcactgat	840
gccgcacaag	ggctctttcc	aggatgctgg	cgttatccaa	gctgcctaca	gcctaaactt	900
ccccctgttg	gctctgccag	ccccagccc	agcgcccgcc	acctcctgga	gtgcgttttc	960
cgtgtcttca	cccgcggtcg	tattggagac	cgtcaagcag	gcggagagca	gccccagcg	1020
ccgctcgctg	gtcctgaggc	tgtatgaggc	ccacggcagc	cacgtggact	gctggctgca	1080
cttgtcgctg	ccggttcagg	agggcatcct	ctgcgatctc	ttggagcgac	cagaccctgc	1140
tggccacttg	acttcgggac	aaccgcctga	agctcacctt	ttctcccttc	caagtgcgtg	1200
ccctgttgct	cgtgcttcag	cctccgccac	actgagtcct	tggggctggg	gttttgtttg	1260
tagaaggctc	tggggactcc	taatttctgc	ttccccagcc	taaagcaggg	atcagtcctt	1320
tcttgtggaa	taaatccttg	gatcgggaaa	aaaaaaaa			1358

<210> 966  
 <211> 1303  
 <212> DNA  
 <213> Homo sapiens

<400> 966						
ctgccaatga	gctccgccga	gtagcaccgg	ggcagggcta	gcgcttaaag	gagccgcgac	60
ccctttgcag	accagagggg	gaccgggatg	atggcgggccg	gcgcggccct	agccctggcc	120
ttgtggctac	taatgccacc	agtggagggtg	ggagggggcgg	ggcccccgcc	aatccaggac	180
ggtgagttca	cgttcctggt	gccggcgggg	aggaagcagt	gtttctacca	gtccgcgccg	240
gccaacgcaa	gcctcgagac	cgaataccag	gtgatcggag	gtgctggact	ggacgtggac	300
ttcacgctgg	agagccctca	gggctgctg	ttggtcagcg	agtcccgcga	ggctgatggg	360
gtacacacgg	tggagccaac	ggaggccggg	gactacaagc	tgtgctttga	caactccttc	420
agcaccatct	ccgagaagct	ggtgttcttt	gaactgatct	ttgacagcct	ccaggatgac	480
gaggaggtcg	aaggatgggc	agaggctgtg	gagcccgagg	agatgctgga	tgttaaaatg	540
gaggacatca	aggagtccat	tgagaccatg	cggaccgggc	tggagcgcag	catccagatg	600
ctcacgctac	tgcgggcctt	cgaggcacgt	gaccgcaacc	tgcaagaggg	caacttggag	660
cgggtcaact	tctggtcagc	tgtcaacgtg	gcggtgctgc	tgctggtggc	tgtgctgcag	720
gtctgcacgc	tcaagcgctt	cttcaggac	aagcgcccg	tgccacgta	gcccctgcca	780
tggaagggaag	aacgggacaa	aggaggggca	gcaggggtgtg	tgcatatgag	acttgggggt	840
ccctcccaa	ttttagtttc	ctgccaaaac	gggagtgtgc	agtcaaggcc	tgcggtctgg	900
ccccatgagt	ctccttcctg	cctcagcggg	cagggaaacac	ctctggcttg	tagaaggggac	960
ggctcagtgg	ctgcaccgac	ggtcctggaa	atctcacatg	gtgggcactg	cagcgttgga	1020
acgtgagcct	cggatttctt	ggccccctta	ctgtaaattg	gccttagcct	aagcctccca	1080
tcctgtgtta	gcgttgccctg	gtgcggggca	gggcctaaca	aggaaacctg	ggccctccaa	1140
gccaggttga	ggtctggtaa	cagaatgcca	ggaagggggc	ctggaagacc	acctgccccg	1200
gcccctctcc	tgcagggggc	ccacacaggc	atgagggatg	gcccggccaa	agtctaggca	1260
gaagcctcct	ataacaaagg	gtggtgtggc	ctgggcattg	gag		1303

<210> 967  
 <211> 1539  
 <212> DNA  
 <213> Homo sapiens

<400> 967						
gtgaaggagg	ccgggatcag	ccaggggcca	gcatgagccg	gagggaggga	agtctggaag	60
acccccagac	tgattcctca	gtctcacttc	ttccccactt	ggaggccaag	atccgtcaga	120
cacacagcct	tgcgcacctc	ctcaccaa	acgtctagca	gctgctccag	gaatatgtgc	180
agctccaggg	agacccttc	gggctgcca	gcttctcgcc	gccgcggctg	ccggtggccg	240
gcctgagcgc	ccgggtcccg	agccacgcgg	ggctgccagt	gcacgagcgg	ctgcggctgg	300
acgcggcggc	gctggcccg	ctgccccgc	tgctggacgc	agtgtgtcgc	cgccaggccg	360
agctgaacct	gcgcgcgcgc	cgctgctgc	gccgcctgga	ggacgcggcg	cgccaggccc	420

gggccctggg	cgccgcctg	gaggccttgc	tggcgcgcct	gggcgcgcgc	aaccgcgggc	480
cccgggccga	gccccccgc	gccaccgcct	cagccgcctc	cgccaccggg	gtcttccccg	540
ccaaggtgct	ggggctccgc	gtttgcggcc	tctaccgcga	gtggctgagc	cgcaccgagg	600
gcgacctggg	ccagctgctg	ccggggggct	cggcctgagc	gccgcggggc	agctcgcccc	660
gcctcctccc	gctgggttcc	gtctctcctt	ccgttctttt	gtctttctct	gccgctgtcg	720
gtgtctgtct	gtctgtctct	agctgtctcc	attgcctcgg	ccttcttttg	tttttgtggg	780
ggagagggga	ggggacgggc	agggctctctg	tgcgccaggc	tggggtgcag	tggcgcgatc	840
ccagcactgc	agcctcaacc	tcttgggctc	aagccatcct	tccgcctcag	cttccccage	900
agctgggact	acaggcacgc	gccaccacag	ccggctaatt	ttttatttaa	ttttttgtag	960
agacgaggtt	tgcctatgtt	gcccaggctg	gtcttgaact	ccggggctca	agcgatcctc	1020
ccgcttcagc	ctccctaagt	gctgggattg	caggcgtgag	ccactttccc	agcctctctt	1080
tgctttgcct	gccccgttct	cttaactctt	ggaccctcct	cgtctgcatg	gtaactccgt	1140
ctgagtctac	cattttcttg	ctctccctcc	ttccttgggc	ctgcctcagt	tccctttggc	1200
ctcccccttt	accagctct	tggggtgtct	ctgttttttc	catccccact	tcttgccttc	1260
tcgtggccct	gtgtgagcac	atgtgtacat	ctcagcctta	tctcaaggag	gtgacacctt	1320
ctctccttgt	ccccatctgg	ccgtctctct	gtgcttccct	ggccaggggc	gtgcctgctg	1380
gtcctatggg	gggaaggcta	ctccgcactc	cagccacctt	cctcaggctc	actccaccta	1440
catccccagt	ctgccacacc	ccatcccttt	gggcctcagc	cctgtccctt	tgatgtcctc	1500
ctttccttca	gccccctctgc	cctgtccctg	cacacctcc			1539

```
<210> 968
<211> 1443
<212> DNA
<213> Homo sapiens
```

[illegible]

<210> 969  
 <211> 1551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 969  
 ctcttttcagc cttctgcaat ctagttctac ttagtcacac acttctctaa gaccactcat 60  
 acgtaaacac tacgtagagg cccctttttt cctcatttta cattgttttag ttatcatttt 120  
 gaaacttttc ttcacatatg taacagtgcc ggagtttttc tgcttctctg tgtttgttca 180  
 gtaactcttc tttaggatac acctaaagat gagaagcttc ataccagta ctctctttca 240  
 ttcactcata tgtttttggg atcagtcctt tctgctggct gtgcattggg ctaatggaac 300  
 agaatagagt ccagaaataa cccaacatgt atgtggacaa ctggtttttg acagaggtgc 360  
 aaaggtcttg aaaaaatgat gctggaataa ttgggcatca gatgcaaaat taaaaacaaa 420  
 ttggtccata tcttaacact ggcaaagatt aaagtccaaa tggattatag ttccccaaaa 480  
 ctgtataatt tctagaagac aacaaggaaa acgtgttcag ccttgggtta ggaaaagatt 540  
 tcttaaattc aacacaaaaa gcacaatcca tgaaggaaaa atcgataaat tgtacttnat 600  
 caaaattgag aacttctctt tgaaaggtag cataaggaga acaaaaagac aagctgtaga 660  
 gtggcagaaa aatatttgn aacattttct gataaatgag tgcactctag attacataaa 720  
 gaagtctcaa aactgaacaa agtaaaaccc attgttgact taatgcgctg tttcctcctg 780  
 agcttgctgc ctctgcccc gctctctctc cttttccatt tgttttcaac attgaatcca 840  
 gaatgttctt cttgagatcc aagtcagatc acaccaaccc tcagaactct ccaatagacg 900  
 accatggcac tcaaaagtcc acaatagcct tcaatgctgg gcaaaacatg aagcaccctt 960  
 tttctccctt ctctgacccc atcacctctg tgttcaccct gctcctgccg tcctccctgc 1020  
 ctccaaaaca ggtcaggcct tcgtgccttt gcacttacta tttgcaatac cccaaatggt 1080  
 cttcaggctc tttagcctct tcatttcttt tctgaagtgc tcatctcact gaggtttatc 1140  
 taaagctgca gctactgggg cattcctgtc tcatctccct gctgtatttt gtactcccg 1200  
 ctctcttttg tacttttaaa catacctata tggtttacct ttgttgttta tatttgcatg 1260  
 ttgtttccca cttgaatgta agtcctaaag attttatttt tttaaactga attattactg 1320  
 tattcccaga acaattccct ggcaaatatt tggtagctca tagtaatgct aagttagtaa 1380  
 ataaatgatg aatttagaat caaaataacg tgtctatggc caaaataaaa cctgaaatcc 1440  
 ctgtcctatt tcccagaggt aactgctgtt aatagtttag ttgtgtgctt ccagacatac 1500  
 cttcacagaa tcatttatca caataaaggt gtcatactat gcaaaaaaaa a 1551

<210> 970  
 <211> 853  
 <212> DNA  
 <213> Homo sapiens

<400> 970  
 agtggcaccg ctgactgccg agaggaagct cgcctctgcc cggctgccct cttgtagtcc 60  
 gccggcgagg ggcagttctc ggtgaggagg aagagagcag cggacggcac agcaccgcg 120  
 cgggccctcc cacaacagct ccagctggca gcatcacttc ccgccaattt atccaacttc 180  
 tgccaaggct ctgaaatgcc aacaacgtcg aggctgcac ttgatgtcaa gggtagcacc 240  
 tcacctgca aggaggatgc caaccaagag atgagctccg tggcctactc caaccttgcg 300  
 gtgaaagatc gcaaagcagt ggccattctg cactaccctg gggtagcctc aaatggaacc 360  
 aaggccagtg gggctccac tagttcctcg ggatctccaa taggctctcc tacaaccacc 420  
 cctcccacta aacccccatc cttcaacctg caccgcgcc ctcacttgct ggctagtatg 480  
 cagctgcaga aacttaatag ccagtatcag gggatggctg ctgccactcc aggccaaacc 540  
 ggggaggcag gaccctgca aaactgggac tttggggccc aggcgggagg ggcagaatca 600  
 ctctctcctt ctgctggtgc ccagagccct gctatcatcg attcggacct agtggatgag 660  
 gaagtgctga tgtcgtggt ggtggaactg gggttggacc gagccaatga gcttccggag 720

ctgtggctgg	ggcagaatga	gtttgacttc	actgcggtact	ttccatctag	ctgctaattgc	780
caagtgtccc	taaagatgga	ggaataaagc	caccaattct	gttgtaaata	aaaataaagt	840
tacttacaaa	gag					853

<210> 971  
 <211> 4240  
 <212> DNA  
 <213> Homo sapiens

<400> 971	cagcagagct	ggattggggg	gttgagtcca	ggctgagtag	ggggcagccc	actgctcttg	60
	gtccctgtgc	ctgctggggg	tgccctgccc	tgaactccag	gcagcgggga	cagggcgagg	120
	tgccacctta	gtctggctgg	ggaggcggac	gatgaggagt	gatggggcag	gcatgcggcc	180
	actccatcct	ctgcaggagc	cagcagtacc	cggcagcgcg	accggctgag	ccgcggggcc	240
	agcaggtctt	cctcaagccg	gacgagccgc	cgccgcccgc	gcagccatgc	gccgacagcc	300
	tgcaggacgc	cttgctgagt	ctgggctctg	tcatcgacat	ttcaggcctg	caacgtgctg	360
	tcaaggaggc	cctgtcagct	gtgctcccc	gagtggaaac	tgtctacacc	tacctactgg	420
	atggtgagtc	ccagctggtg	tgtgaggacc	ccccacatga	gctgccccag	gaggggaaag	480
	tccgggaggc	tatcatctcc	cagaagcggc	tgggctgcaa	tgggctgggc	ttctcagacc	540
	tgccagggaa	gcccttgccc	aggctggtgg	ctccactggc	tcctgatacc	caagtgtctg	600
	tcatgccgct	agcggacaag	gaggctgggg	ccgtggcagc	tgtcatcttg	gtgcactgtg	660
	gccagctgag	tgataatgag	gaatggagcc	tgcaggcggg	ggagaagcat	accctggtcg	720
	ccctgcggag	ggtgcaggtc	ctgcagcagc	gcgggcccag	ggaggctccc	cgagccgtcc	780
	agaaccccc	ggaggggacg	gcggaagacc	agaagggcgg	ggcggcgtag	accgaccgcg	840
	accgcaagat	cctccaactg	tgcggggaac	tctacgacct	ggatgcctct	tcctgcagc	900
	tcaaagtgtc	ccaatacctg	cagcaggaga	cccgggcac	ccgctgctgc	ctcctgctgg	960
	tgtcggagga	caatctccag	ctttcttgca	aggtcatcgg	agacaaagtg	ctcggggaag	1020
	aggtcagctt	tcccttgaca	ggatgcctgg	gccagggtgt	ggaagacaag	aagtccatcc	1080
	agctgaagga	cctcacctcc	gaggatgtac	aacagctgca	gagcatgttg	ggctgtgagc	1140
	tgcaggccat	gctctgtgtc	cctgtcatca	gccggggcac	tgaccagggt	gtggccttgg	1200
	cctgcgcctt	caacaagcta	gaaggagact	tgttcaccga	cgaggacgag	catgtgatcc	1260
	agcactgctt	ccactacacc	agcacctgtc	tcaccagcac	cctggccttc	cagaaggaac	1320
	agaaactcaa	gtgtgagtgc	caggctcttc	tccaagtggc	aaagaacctc	ttcaccacc	1380
	tggatgacgt	ctctgtcctg	ctccaggaga	tcatcacgga	ggccagaaac	ctcagcaacg	1440
	cagagatctg	ctctgtgttc	ctgctggatc	agaatgagct	ggtggccaag	gtgttcgacg	1500
	ggggcggtgt	ggatgatgag	agctatgaga	tccgcatccc	ggccgatcag	ggcatcgcg	1560
	gacacgtggc	gaccacgggc	cagatcctga	acatccctga	cgcataatgc	catccgcttt	1620
	tctaccgcgg	cgtggacgac	agcacccggt	tccgcacgcg	caacatcctc	tgcttcccca	1680
	tcaagaacga	gaaccaggag	gtcatcggtg	tggccgagct	ggtgaacaag	atcaatgggc	1740
	catggttcag	caagttcgac	gaggacctgg	cgacggcctt	ctccatctac	tgcggcacac	1800
	gcatcgccca	ttctctccta	tacaaaaaag	tgaatgaggc	tcagtatcgc	agccacctgg	1860
	ccaatgagat	gatgatgtac	cacatgaagg	tctccgacga	tgagtatacc	aaacttctcc	1920
	atgatgggat	ccagcctgtg	gctgccattg	actccaattt	tgcaagtttc	acctataccc	1980
	ctcgttccct	gcccagggat	gacacgtcca	tggccatcct	gagcatgctg	caggacatga	2040
	atttcatcaa	caactacaaa	attgactgcc	cgaccctggc	ccggttctgt	ttgatggtga	2100
	agaagggcta	ccgggatccc	ccctaccaca	actggatgca	cgccttttct	gtctcccact	2160
	tctgtctact	gctctacaag	aacctggagc	tcaccaacta	cctcgaggac	atcgagatct	2220
	ttgccttgtt	tatttctctg	atgtgtcatg	acctggacca	cagaggcaca	aacaactctt	2280
	tccagggtgg	ctcgaaatct	gtgctggctg	cgctctacag	ctctgagggc	tccgtcatgg	2340
	agaggcacca	ctttgctcag	gccatcgcca	tcctcaacac	ccacggctgc	aacatctttg	2400
	atcatttctc	ccggaaggac	tatcagcgca	tgctggatct	gatgcgggac	atcatcttgg	2460

```

ccacagacct ggcccacat ctccgcatct tcaaggacct ccagaagatg gctgaggtgg 2520
gctacgaccg aaacaacaag cagcaccaca gacttctcct ctgcctcctc atgacctcct 2580
gtgacctctc tgaccagacc aagggtgga agactacgag aaagatcgcg gagctgatct 2640
acaaagaatt cttctcccag ggagacctgg agaaggccat gggcaacagg ccgatggaga 2700
tgatggaccg ggagaaggcc tatatccctg agctgcaaat cagcttcatg gagcacattg 2760
caatgcccac ctacaagctg ttgcaggacc tgttcccca agcggcagag ctgtacgagc 2820
gcgtggcctc caaccgtgag cactggacca aggtgtccca caagttcacc atccgcggcc 2880
tcccagtaa caactcgctg gacttctctg atgaggagta cgaggtgcct gatctggatg 2940
gcactagggc ccccatcaat ggctgctgca gccttgatgc tgagtgatcc cctccaggac 3000
acttccctgc ccaggccacc tcccacagcc ctccactggt ctggccagat gcactgggaa 3060
cagagccacg ggtcctgggt cctagaccag gacttctgtg gtgacctggg acaagtacta 3120
ccttctctgg cctcagcttt ctctgtctga taatggaagc aagacttcca acctcacgga 3180
gactttgtaa tttgcttctc tgagagcaca ggggtgacca atgagcagtg ggccctactc 3240
tgcacctctg accacacctt ggcaagtctt tcccagcca ttctttgtct gagcagcttg 3300
atggtttctc cttgccccat ttctgcccc ccagatcttt gctcctttcc ctttgaggac 3360
tcccaccttt tgggtctcca ggatcctcat ggaaggggaa ggtgagacat ctgagtgagc 3420
agagtgtggc atcttgaaa cagtccttag ttctgtggga ggactagaaa cagccgcggc 3480
gaaggccccc tgaggaccac tactatactg atggtgggat tgggacctgg gggatacagg 3540
ggcccagga agaagctggc cagaggggca gctcagtgt ctgcagagag gggccctggg 3600
gagaagcagg atgggattga tgggcaggag ggatccccgc actgggagac aggccagggt 3660
atgaatgagc cagccatgct tcctcctgcc tgtgtgacgc tgggcgagtc tcttccctg 3720
tctgggcaa acagggagcg ggtaagacaa tccatgctct aagatccatt ttagatcaat 3780
gtctaaaata gctctatggc tctgcggagt ccagcagag gctatggaat gtttctgcaa 3840
ccctaaggca cagagagcca accctgagtg tctcagaggc cccctgagtg tcccccttg 3900
cctgagcccc ttaccattc ctgcagccag tgagagacct ggcctcagcc tggcagcgt 3960
ctcttcaagg ccatatccac ctgtgccctg gggcttggga gaccccatag gccgggactc 4020
ttgggtcagc ccgccactgg cttctctctt tttctcgtt tcattctgtg tgcgttgtgg 4080
gggtgggggag ggggtccacc tgccttacct ttctgagttg cctttagaga gatgcgtttt 4140
tctaggactc tgtgcaactg tcgtatatgg tcccggtggc tgaccgcttt gtacatgaga 4200
ataaatctat ttctttctac caaaaaaaaa aaaaaaaaaa 4240

```

<210> 972  
 <211> 1953  
 <212> DNA  
 <213> Homo sapiens

```

<400> 972
cgctcccacc cgcccggtggc ccgcgcgccat ggccgcgcgc gctccacaca actcaccgga 60
gtccgcgcgc tgccgcgcgc accagttcgc agctccgcgc cacggcagcc agtctcacct 120
ggcggcaccg cccgccacc gccccggcca cagccctgc gccacggca gcaatcgagg 180
cgaccgcgac agtgggtggg gacgctgctg agtggaagag agcgcagccc ggccaccgga 240
cctacttact cgccttgctg attgtctatt tttgcgttta caacttttct aagaactttt 300
gtatacaaag gaacttttta aaaaagacgc ttccaagtta tatttaatcc aaagaagaag 360
gatctcggcc aatttggggt tttgggtttt ggcttcgttt tttctcttcg ttgacttttg 420
ggttcagggt ccccgctgc ttcgggctgc cgaggacctt ctgggcccc acattaatga 480
ggcagccacc tggcgagtc gacatggctg tcagcgacgc gctgctcca tctttctcca 540
cgttcgcgtc tggcccggc ggaagggaga agacactgc tcaagcaggt gcccgaata 600
accgctggcg ggaggagctc tcccacatga agcgacttcc cccagtgtt cccggccgcc 660
cctatgacct ggcgcgggcg accgtggcca cagacctgga gagcgcgga gccggtgcgg 720
cttgcgcgcg tagcaacctg gcgcacctac ctcgagaga gaccgaggag ttcaacgac 780
tcttgacctt ggactttatt ctctccaatt cgctgaccca tcttcggag tcagtggccg 840

```

ccaccgtgtc	ctcgtcagcg	tcagcctcct	cttcgtcgtc	gccgtcgagc	agcggccctg	900
ccagcgcgcc	ctccacctgc	agcttcacct	atccgatccg	ggccgggaac	gacccgggcg	960
tggcgccggg	cggcacgggc	ggaggcctcc	tctatggcag	ggagtccgct	ccccctccga	1020
cggctccctt	caacctggcg	gacatcaacg	acgtgagccc	ctcggggcggc	ttcgtggccg	1080
agctcctgcg	gccagaattg	gacccgggtg	acattccgcc	gcagcagccg	cagccgccag	1140
gtggcgggct	gatgggcaag	ttcgtgctga	aggcgtcgct	gagcgcccct	ggcagcgagt	1200
acggcagccc	gtcggtcac	agcgtcagca	aaggcagccc	tgacggcagc	cacccgggtg	1260
tgggtggcgcc	ctacaacggc	gggccggcgc	gcacgtgccc	caagatcaag	caggaggcgg	1320
tctcttcgtg	cacccacttg	ggcgtgggac	ccccctctcag	caatggccac	cggccggctg	1380
cacacaactt	ccccctgggg	cggcagctcc	ccagcaggag	taccccgacc	ctgggttttg	1440
aggaagtgtc	gagcagcagg	gaatgtcacc	ctgccctgcc	gcttcctccc	ggcttccatc	1500
cccacccggg	gccaattac	ccatccttcc	tgcccgatca	gatgcagccg	caagtccgc	1560
cgctccatta	ccaagagctc	atgccacccg	gttcctgcat	gccagaggag	cccaagccaa	1620
agaggggaag	acgatcgtgg	ccccggaaaa	ggaccggccac	ccacacttgt	gattacgcgg	1680
gctgcggcaa	aacctacaca	aagagttccc	atctcaaggc	acacctgcga	accacacag	1740
gtgagaaacc	ttaccactgt	gactgggacg	gctgtggatg	gaaattcgcc	cgctcagatg	1800
aactgaccag	gcactaccgt	aaacacacgg	ggcaccgccc	gttcacgtgc	caaaaatgcg	1860
accgagcatt	ttccaggctc	gaccacctcg	ccttacacat	gaagaggcat	ttttaaatcc	1920
cagacagtgg	atatgaccca	actgcccaga	aga			1953

<210> 973  
 <211> 990  
 <212> DNA  
 <213> Homo sapiens

<400> 973	ggctgtgcca	ggtgcacatt	tagcacccgt	tgcttctct	aggagccgct	cctagcttgc	60
	cttatcacat	ccacgtgacc	cctcagagca	cagcagcttc	tgattctcca	tcctattttc	120
	ttctcttgac	tgatacattt	gggcacttct	aggggaattca	gaaaccaagg	gaagggggga	180
	agtgtctggc	tttgctcctg	cccagctgaa	aggcttgaaa	acagttcagt	aattctgggc	240
	aggtttctct	ccttaaatta	aaatccaata	tgggcccctc	tgtacttaac	attccaaatg	300
	ctcattccaa	acactttgcc	aacgaaggca	aacagtagag	aagttaaata	cagtgtgtgc	360
	cttgaggctc	tccaagggaa	aggcgaatga	atattctcca	ggccctctgc	ttattcctct	420
	ctgcctattg	tgaaggcaat	caggccagac	tattgagggc	atctggcagc	aggactcagg	480
	caggtatgaa	gtagccagcc	acaagtgtga	aaaggaagag	tgctgagaga	aactgcctag	540
	tcatgtgata	tccctaatac	actgtgcttt	cttccctcaa	gaaccacccc	ttctgggttc	600
	gctgcatgta	catgctgac	tggggcaagt	ttgtgtgtga	caaatatgtc	acctgttggc	660
	tggtcacaga	aggagtatgc	attttgacgg	gcctgggctt	caatggcttt	gaagaaaagg	720
	gcaaggcaaa	gtgggatgcc	tgtgccaa	tgaagggtgtg	gctctttgaa	acaaaccccc	780
	gcttcactgg	caccattgcc	tcattcaaca	tcaacaccaa	cgctgggtg	gcccgggtgag	840
	ctgctgggtg	ggagcctgga	ccctggttcc	ttccttccac	tgtcttccca	gattggaggg	900
	caggggtgta	ccatgtcacc	cctatgcgtc	tttcccatct	gggcagaacc	ccctgtcgct	960
	cacactgact	ttgaccccca	cctatacccc				990

<210> 974  
 <211> 1198  
 <212> DNA  
 <213> Homo sapiens

<400> 974	cctttatgtc	tagcacattt	gatgaaataa	aaaacttctg	aatctgaata	gaagttctac	60
	tgtttcaggc	ttgaaccttt	tacatgctca	agagattcaa	atgggtctctg	tgtgtagatc	120
	atgccaccgc	ctccaaagcc	taatccacat	cacttctgag	aggcaaggct	gagcatatgg	180
	tgacatcagc	tctgtgttga	gatgggtgatg	aggatgatgg	ctcgctggcc	aggcagggca	240
	gccgaaggtc	agggacctgt	cctaactaac	tgcagccttg	ccttttagtgt	ttgtcattct	300

cagatacaac	acggtatgtc	cagtgtccgt	ttttattact	ttaaagcatt	tgagggtcta	360
attgtgtata	gtagaaatac	tatttttagac	aaataattat	ctgtgtacag	atatttgata	420
tactctaagt	aaatttttcta	atttcactaa	gtacgttttt	aggctcctct	caaatactgc	480
gtattgaaga	aaaaaatctg	acaccaccga	gccaaagatg	cttttttgtc	tgttttcgtt	540
gtttaacaga	atggaaagag	taatgcatag	tgcttcctgg	tgtctcctga	ttgattgatt	600
gtgcacaaag	taggacgata	aataaataaa	atggagtctg	atgggacatt	gattaaaggt	660
gaaggatgat	tgatatatag	atcatgaaaa	gaaaaatgaa	tggcaggaaa	aaaagtttgg	720
tccttaatat	actttggcct	agttaaaata	tgtgcctttt	tgggtgtgtt	tgttcatcac	780
tacaagataa	aaaggaaaca	ttacaactca	agtctttaa	aagttcattt	attgaaaatc	840
atatgtataa	cctagcatat	gaatgagcag	atttaaacac	ataacttcaa	gccatttctg	900
aaaacataca	ccaggagctc	tgctcagcta	gagtcagact	ccagctccag	cccactgctg	960
tgccggggaca	gcgcccgcgt	tgatgaggac	cagccccact	gcaggctgag	gcggtgtcac	1020
cctgggaagg	tcgtgggtgcg	ttgtggcata	ttaagtctaa	accagatgaa	tgtaaataatc	1080
tctttgtaaa	tcattttattt	cactctgttc	catccaggct	agcaatcaga	ttgtggcatg	1140
ctgggtaact	ggaaaaaata	ataaaaagta	agtttcaata	aaaaaaaaaa	aaaaaaaa	1198

<210> 975  
 <211> 3881  
 <212> DNA  
 <213> Homo sapiens

<400> 975	gctgaagtgt	tcgaccagca	ggaggttttc	tcctcagccc	actcgtgca	tccagatcag	60
ctcaccccg	gccctttcct	gcccaccagg	actctgatag	cccctggcag	ccacagccca		120
ttttgccaag	atgtctagag	tagccaaata	tcgccggcag	tgagtgaaga	ccccgacatc		180
gacagcctgc	tgggaccctg	tctcccagg	agatggagga	gctggagaag	gagctggacg		240
tggtggacc	agacgggagt	gttcccgtgg	ggctgcggca	gagaaaccag	acggagaaac		300
agtccacggg	tgtgtacaac	cgggaggcca	tgctcaactt	ctgtgaaaag	gagaccaaga		360
aacttatgca	gagggagatg	tccatggatg	aaagcaagca	agtggagacc	aagacagatg		420
ccaagaatgg	acaggaaagg	ggcagagatg	ccagcaaaaa	agccctgggc	cccagacgga		480
actcagatct	ggggaaggag	ccaaagaggg	gtggttttaa	gaaaagcttc	tctagagaca		540
gagatgaagc	tggtggcaag	agtggcgaga	agcccaagga	ggagaagatc	atccggggca		600
ttgacaaggg	ccgggtcagg	gctgcagtgg	ataagaagga	ggcagggaa	gatgggagag		660
gagaggagag	ggcagtggcc	accaagaagg	aagaggagaa	gaaaggggg	gacaggaaca		720
caggcttgag	cagggacaag	gataaaaaga	gagaggagat	gaaggagggt	gccaaagaa		780
aggatgatga	gaaggtaaaa	ggggagcgta	ggaacacaga	caccagaaaa	gagggtgaga		840
agatgaaaag	agcagggtgg	aacacagaca	tgaaaaagga	ggatgagaag	gtaaaaagag		900
gaactgggaa	cacagacacc	aaaaaggacg	atgaaaaagt	caagaagaat	gaacccttac		960
atgaaaagga	agccaaggat	gacagcaaga	ccaaaacacc	cgagaaacag	acgcccagt		1020
gccccaccaa	gccctctgaa	ggaccggcca	aggtggagga	ggaggcagct	cccagcatat		1080
ttgatgagcc	tctggagaga	gtgaagaaca	atgaccccg	gatgactgag	gtgaacgtca		1140
acaactcaga	ctgcatcaca	aatgagatct	tggtccggtt	tactgaggct	ctggagttca		1200
acactgtggt	taagctgttc	gccttggcca	acacgcgagc	cgatgaccac	gtggcctttg		1260
ccattgccat	catgctcaag	gccaacaaga	ccatcaccag	cctcaacctg	gactccaacc		1320
acatcacagg	caaaggcatc	ctggccatct	tccgggccct	cctccagaac	aacacgctga		1380
ccgagctccg	cttcacaaac	cagcgacaca	tctgtggagg	caagacggag	atggagatcg		1440
ccaagctgct	gaaggagaat	acctccctgc	tcaagctggg	ctaccatttt	gagctggccg		1500
ggccccgaat	gactgtcacc	aatctgctca	gccgcaacat	ggacaagcag	agacaaaagc		1560
ggctgcagga	gcaaaggcag	gcacaggaag	ccaagggaga	gaagaaggat	ctgctggagg		1620
taccaaggc	cggggccgtg	gctaagggtc	ccccaaaacc	ttcacctcaa	ccatctccaa		1680
agccctctcc	aaagaactca	ccccaaaaag	ggggtgctcc	agctgcccc	ccacccctc		1740

```

ccccccctt ggctccaccc cttatcatgg agaacctgaa gaattcactc tcaccagcta 1800
cccagaggaa gatgggagac aaagtccctc ctgcccagga gaagaactcc cgtgaccagc 1860
tattggctgc catccgctcc agcaacctca agcagctcaa gaaggtggaa gtgcccacac 1920
tgcttcagta ggaccaggct gccaggcacc atctgccaat gccatgactg ctcaggcctc 1980
acctcccagg gctacacaga ccttgcccac cccatccctg gctgacctgc tgtggatgtc 2040
cctattctgc catgggagcg tccaggcctg ggtcacgctc aaggaaggat gccttatctc 2100
ttctcacttt ctttttcttg tctctgaggc tctccaaatt ttgctttagt acatggagct 2160
caggtttctg gacaagaaga gtccttttag cacatcactg agaagatggc actgtccagg 2220
gcccatgtag ctggcaagct gcaaaaggcc tgtgatccag gaaagatgtc ccacagggac 2280
cacatccacc ccagccccac tgccctccag ggccaggatt caggcctctg aggagcccac 2340
ggggcaaagc tgctgggcca gtggcactct gtgtgggaaa atggcagaaa gatggagagg 2400
catggggggc caaaggggag cgtggggagg ggctgaggat accccaaagt ccaggcta 2460
tagaggatgt ggcaggggca gtggcctgga tgcacagtgc ctgatgggag taggctccag 2520
acaggaggag tgggacagac agcagctgga cttgaagggt tgatgccaaa gcagacattt 2580
tcctcacacc cacctgctgc tgtatgaata gctgtgtatc tgtttttcca taagattttg 2640
ataatatata caaaccttta gctgtgaatg gctgtgcccc acctgttgtc ctgaactgtg 2700
agtccctgat ctaaccctgg gctccctgga ggactctaga agctcagggt ccctgccaca 2760
ctatttgagt tggccaagaa ataaattcac atcctcagaa agtgcagcat ggaggaaaat 2820
ctgaactcta agcagaagac tctccactga cctggttgtc caggctcaga aggccaggcc 2880
tctactaggt ctgctcctga accagtcctg ctgctggagg tcagtagcca gagttgttct 2940
caggggtgct ggggcagagt ggagcccagg gtgctgggat ggctatatta ggcattgtca 3000
gggatgctca ttccatgact ctgcctaacc atgggctcag ggccagggtc tcacagcagt 3060
cacaggccca ggaaggcggc aggagagaaa gtggagtgc tatttgaga atagcaccca 3120
tatctgtgtg ccctagggct cagagggggc tcatcttccc cagccctccc cacctgctca 3180
ccaattccac ttctgcccc aactgcagga atgctgacaa tgctgccatg cccaccatcg 3240
ggtgtaggtg aaaggcatct ttctgaattt cattctcttg aagggtgctgc cacccttgg 3300
cactgtggaa ctgccacett gggctctgtg cacttgtagg tttctctgcc tccaggttgc 3360
ctcaacagca ggaggcacag cagtttcacc atctttgagg tgaggggtgg gtgcccagc 3420
taggaagcaa gatcgctgtg ctaggctctga ccaaaaccag agggcagtcct agtcctgggg 3480
gtaaagccct cagatcccag ggtacactct tctccattcc ctccaccac ttgcctgtca 3540
ccccagtcac ctaagcaatc actgggcccc gagagagaga gacagacaca cactggctcc 3600
tggaacctaa gggatgagc tggagctaag gccagctaga gcttccactg tcagccctca 3660
ctgtcagccc cactgcaccc ccctgtgctt gctgggcact gggcactagc tagatgcttt 3720
agggtgcttc agctgatcct tcaactctgt gaggtggata ccaatattct attttgcaga 3780
tagaatttgg cccagagagg ttaactaata tatccatgat cacacagcta ataaaagtca 3840
gagctcagga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 3881

```

```

<210> 976
<211> 874
<212> DNA
<213> Homo sapiens

```

```

<400> 976
gggcgggaag acgtgcagcc tgggcccgtg ctgctcactg cgttcggacc cagaccgct 60
gcaggcagca gcagcccccg cccgcgcacg agcatggagc tctggggggc ctacctctc 120
ctctgcctct tctccctcct gaccagggtc accaccgagc caccaacca gaagcccaag 180
aagattgtaa atgccaagaa agatgttgtg aacacaaaga tgtttgagga gctcaagagc 240
cgtctggaca ccctggcccc ggaggtggcc ctgctgaagg agcagcaggc cctgcagacg 300
gtctgcctga aggggaccaa ggtgcacatg aaatgctttc tggccttcac ccagacgaag 360
accttcacg aggcagcgga ggactgcac tgcgcggggg gcaccctgag caccctcag 420
actggctcgg agaacgacgc cctgtatgag tacctgcgcc agagcgtggg caacgaggcc 480

```





agtgtgccag	tactgcaaga	agcttctgaa	ggggcttttc	aggcagggct	tgcagtgcaa	1140
agattgcaga	ttcaactgcc	ataaacgttg	tgcaccgaaa	gtaccaaaaca	actgccttgg	1200
cgaagtgacc	attaatggag	atlttgcttag	ccctggggca	gagtctgatg	tggatcatgga	1260
agaagggagt	gatgacaatg	atagtgaaag	gaacagtggg	ctcatggatg	atatggaaga	1320
agcaatggtc	caagatgcag	agatggcaat	ggcagagtgc	cagaacgaca	gtggcgagat	1380
gcaagatcca	gacccagacc	acgaggacgc	caacagaacc	atcagtcctat	caacaagcaa	1440
caatatccca	ctcatgaggg	tagtgcagtc	tgtcaaacac	acgaagagga	aaagcagcac	1500
agtcattgaaa	gaaggatgga	tgggtccacta	caccagcaag	gacacgctgc	ggaaacggca	1560
ctattggaga	ttggatagca	aatgtattac	cctctttcag	aatgacacag	gaagcaggta	1620
ctacaaggaa	attcctttat	ctgaaatttt	gtctctggaa	ccagtaaaaa	cttcagcttt	1680
aattcctaatt	ggggccaatc	ctcattgttt	cgaatacact	acggcaaatg	tagtgtatta	1740
tgtgggagaa	aatgtgggtca	atccttccag	cccatcacca	aataacagtg	ttctcaccag	1800
tggcggttgg	gcagatgtgg	ccaggatgtg	ggagatagcc	atccagcatg	cccttatgcc	1860
cgtcattccc	aagggtcct	ccgtgggtac	aggaaccaac	ttgcacagag	atatctctgt	1920
gagtattttca	gtatcaaatt	gccagattca	agaaaatgtg	gacatcagca	cagtatatca	1980
gatttttctt	gatgaagtac	tgggttctgg	acagtttgga	attgtttatg	gaggaaaaca	2040
tcgtaaaaca	ggaagagatg	tagctattaa	aatcattgac	aaattacgat	ttccaacaaa	2100
acaagaaagc	cagcttcgta	atgaggttgc	aattctacag	aaccttcatt	accctgggtg	2160
tgtaaatttg	gagtgtatgt	ttgagacgcc	tgaagagtg	ttgtgtgtta	tggaaaaaact	2220
ccatggagac	atgctggaag	tgatcttgtc	aagtgaagag	ggcaggttgc	cagagcacat	2280
aacgaagtgt	ttattactc	agatactcgt	ggctttgcgg	caccttcatt	ttaaaaatat	2340
cgttcactgt	gacctcaaac	cagaaaatgt	gttgctagcc	tcagctgatc	cttttctctca	2400
ggtgaaactt	tgtgattttg	gttttgccc	gatcattgga	gagaagtctt	tccggaggtc	2460
agtgggtggg	accccgctt	acctggctcc	tgaggtccta	aggaacaagg	gctacaatcg	2520
ctctctagac	atgtggtctg	ttggggctat	catctatgta	agcctaagcg	gcacattccc	2580
atttaattgaa	gatgaagaca	tacacgacca	aattcagaat	gcagctttca	tgtatccacc	2640
aaatccctgg	aaggaaatat	ctcatgaagc	cattgatctt	atcaacaatt	tgctgcaagt	2700
aaaaatgaga	aagcgctaca	gtgtggataa	gaccttgagc	caccttggc	tacaggacta	2760
tcagacctgg	ttagatttgc	gagagctgga	atgcaaaatc	ggggagcgct	acatcaccca	2820
tgaagtgat	gacctgaggt	gggagaagta	tgcaggcgag	cagcggtctg	agtacccac	2880
acacctgate	aatccaagtg	ctagccacag	tgacactcct	gagactgaag	aaacagaaat	2940
gaaagccctc	ggtgagcgtg	tcagcatcct	ctgagttcca	tctcctataa	tctgtcaaaa	3000
cactgtggaa	ctaataaata	catacggta	ggtttaacat	ttgccttgca	gaactgccat	3060
tattttctgt	cagatgagaa	caaagctgtt	aaactgttag	cactgttgat	gtatctgagt	3120
tgccaagaca	aatcaacaga	agcatttgta	ttttgtgtga	ccaactgtgt	tgtatttaaca	3180
aaagttccct	gaaacacgaa	acttggtatt	gtgaatgatt	catgttatat	ttaatgcatt	3240
aaacctgtct	ccactgtgcc	tttgcaaatc	agtgtttttc	ttactggagc	ttcatttttg	3300
taagagacag	aatgtatctg	tgaagtagtt	ctgtttgggtg	tgtcccatgt	gtgttgtcat	3360
tgtaaacaaa	ctcttgaaga	gtcgattatt	tccagtgttc	tatgaacaac	tccaaaaccc	3420
atgtgggaaa	aaaatgaatg	aggagggtag	ggaataaaat	cctaagacac	aaatgcatga	3480
acaagtttta	atgtatagtt	ttgaatcctt	tgctgcctg	gtgtgcctca	gtatatttaa	3540
actcaagaca	atgcacctag	ctgtgcaaga	cctagtgtct	ttaagcctaa	atgccttaga	3600
aatgtaaact	gccatatata	acagatacat	ttccctcttt	cttataatac	tctgttgtac	3660
tatggaaaat	cagctgctca	gcaacctttc	acctttgtgt	atttttcaat	aataaaaaaat	3720
attcttgtca	aaaaaaaaaa	aa				3742

```
<210> 979
<211> 2224
<212> DNA
<213> Homo sapiens
```

```

<400> 979
cagagccgca agcgcagggg aggcctcccc gcacgggtggg ggaaagcggc cgggtgcagcg      60
cggggacagg cactcgggct ggactgggct gctagggatg tcgtcctgga taagggtggca      120
tggaaccgcc atggcgcggc tctggggctt ctgctggctg gttgtgggct tctggagggc      180
cgctttcgcc tgtccacgt cctgcaaag cagtgcctct cggatctggg gcagcgaccc      240
ttctcctggc atcgtggcat ttccgagatt ggagcctaac agtgtagatc ctgagaacat      300
caccgaaatt ttcacgcaa accagaaaag gttagaaatc atcaacgaag atgatgttga      360
agcttatgtg ggactgagaa atctgacaat tgtggattct ggattaaaat ttgtggctca      420
taaagcattt ctgaaaaaca gcaacctgca gcacatcaat tttaccgaa acaactgac      480
gagtttgtct aggaaacatt tccgtcacct tgacttgtct gaactgatcc tgggtgggcaa      540
tccatttaca tgctcctgtg acattatgtg gatcaagact ctccaagagg ctaaattccag      600
tccagacact caggatttgt actgcctgaa tgaaagcagc aagaatattc ccctggcaaa      660
cctgcagata cccaattgtg gtttgccatc tgcaaactct gccgcaccta acctactgt      720
ggaggaagga aagtctatca cattatcctg tagtgtggca ggtgatccgg ttccataat      780
gtattgggat gttggttaacc tggtttccaa acacatgaat gaaacaagcc acacacaggg      840
ctccttaagg ataactaaca tttcatccga tgacagtggg aagcagatct cttgtgtggc      900
ggaaaatctt gtaggagaag atcaagattc tgtcaacctc actgtgcatt ttgcaccaac      960
tatcacattt ctgaatctc caacctcaga ccaccactgg tgcattccat tactgtgaa      1020
aggcaacccc aaaccagcgc ttcagtgggt ctataacggg gcaatattga atgagtccaa      1080
atacatctgt actaaaatac atgtttaccaa tcacacggag taccacggct gcctccagct      1140
ggataatccc actcacatga acaatgggga ctacactcta atagccaaga atgagtatgg      1200
gaaggatgag aaacagattt ctgctcactt catgggctgg cctggaattg acgatgggtgc      1260
aaacccaaat tatcctgatg taatttatga agattatgga actgcagcga atgacatcgg      1320
ggacaccacg aacagaagta atgaaatccc ttccacagac gtactgata aaaccggctcg      1380
ggaacatctc tcgggtctatg ctgtgggtgg gattgcgtct gtgggtgggat tttgcctttt      1440
ggtaatgctg tttctgctta agttggcaag acactccaag tttggcatga aaggttttgt      1500
tttgtttcat aagatccac tggatgggta gctgaaataa aagaaaagac agagaaaggg      1560
gctgtgggtg ttgttgggtg atgctgccat gtaagctgga ctctggggac tgctgttggc      1620
ttatcccggg aagtgtctgt tatctggggt tttctggtag atgtgggctg tgtttggagg      1680
ctgtactata tgaagcctgc atatactgtg agctgtgatt ggggaacacc aatgcagagg      1740
taactctcag gcagctaagc agcacctcaa gaaaacatgt taaattaatg cttctcttct      1800
tacagtagtt caaatacaaa actgaaatga aatccattg gattgtactt ctcttctgaa      1860
aagtgtgctt tttgacccta ctggacattt attgacttaa ttgcttctgt ttattaaaat      1920
tgacctgcaa agttaaaaaa aaattaaagt tgagaacagg tataagtgca cactgaatag      1980
tctaactctac atgtaacaca tatttttagta tgattttcta tactctaate agcactgaat      2040
tcagaggggt tgactttttc atctataaca cagtgactaa aagagttaag ggtatatata      2100
ccatcacttt gggacttggg agtattatta aaaggttatt tccttctact tcaataaaaag      2160
tccaaatgtt tagcttaggt ctgagagtca aacaatgtta aggattgtct taaagttcct      2220
tagc                                          2224

```

```

<210> 980
<211> 3573
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 980
tctagacana taaaaataaa agaaatcatc caagaatggg gacttgccta ctattctact      60
cgagaggctg agagggggagg atttcttgag cccaggaggt tgaggatgca gtgagctatg      120
atcacatcac tgtacttcag cctgagcaac agcaagatcc tgtctcaaaa aattaaatta      180

```

ggctgggctt	ggtggctcat	gcctgtaatc	ccagcacttt	ggaaggccat	ggtgggcaga	240
ttgcttgagc	ccaggagttt	gagacgaggt	gggcaacatg	acgaaacccc	ggctctacca	300
aaaaatacaa	aaaattaact	gggcataatg	gtacatgtct	gtggtcccag	ctactcggta	360
ggctgaggtg	ggaggaatgc	ttgagcccag	gaaatagggg	ctacagtga	ccaggatgat	420
gccagtgcac	tccaacctgg	gcaacagagc	aagactctac	ctcaaaataa	tttaaaaaaa	480
tggattaatt	gggaataggt	ggcttggtgc	tgtagtccca	gttactcagg	aggctgaggt	540
gggaggattg	cctgagtcta	ggaggttgag	gctgcagtga	gccgggatgg	taccattgca	600
ctccacctgg	gaacaggggtg	agacctgtc	tcaaaaaaga	aaaaaaagg	aggggttata	660
atcactcctc	ctgacatgat	acagagtatc	catttgagtt	cataacataa	atatgtactt	720
ggtgaatgct	ctgtaactat	tgggtgaatgc	tctgtaacta	ttggcttttt	tattgttccc	780
attttacata	taaggaagct	gaggctttgt	gaggagaaat	agcttagccc	aggtcatcca	840
gtgggaagcg	tctggtgaag	aggaatagtg	atcatggtgg	gactttgcct	agcctaaggt	900
tcagcataca	atattcagtc	agtactcaag	ggctgggctg	tttctggtaa	tcaaagggct	960
gccttgtcct	cctgccccac	agcaggaaat	tccaagggtg	ttttctttac	aggctcctcc	1020
gcttctgtgg	ccagagggga	cagcggagga	gcccaggtag	ctaagccaac	tcaagagaag	1080
atggaattga	atatttcaac	caccttatct	aggcctctgt	gattgttgag	gagggggctg	1140
tactgggaa	agttgtgagc	tgctttggac	cttatctggg	aatttccttg	ggcttacagc	1200
ctttacccta	tccttgaaat	ggttctggtt	tcatagcaac	ttctagggtg	tgtgggcgaa	1260
gtttgggact	ggtttagggc	ggggacaaga	ccaagaacac	aagtttcctt	gtactagggg	1320
gagagggagg	ggaggaaatt	ggagacccca	gcacccctt	gctcactctc	ttgctcacag	1380
tccacgatgg	cccggtccct	ggtgtgcctt	ggtgtcatca	tcttgctgtc	tgcttctccc	1440
ggacctggtg	tcaggggtgg	tcctatgccc	aagctggctg	accggaagct	gtgtgcggac	1500
caggagtga	gccgtaagaa	tggggagggg	tagaattggg	cttgggtgtt	agcctgtgtg	1560
gatgtgctgc	attccccctc	tattccttcc	ctagacccta	tctccatggc	tgtggccctt	1620
caggactaca	tggcccccg	ctgccgattc	ctgaccattc	accggggcca	agtggtgtat	1680
gtcttctcca	agctgaagg	ccgtgggcgg	ctcttctggg	gaggcagcgt	gcgtcttggg	1740
agagtgaag	aggggaagg	acagagctgg	ggtagactca	ttatcccat	gaaggggaaga	1800
tttgaggggg	gtgaactgaa	atagacattg	tggggggata	ttgttactta	ctttatttta	1860
tttgcttatt	atttttta	tttttccgag	acagagtctt	gctctgtcac	ccaggctgga	1920
tgcaatggca	cgatctcggc	tactgtaac	ctccacctct	tgggtttaag	cgattctcca	1980
gcctcagcct	cccaagtacc	tgggattaca	ggcatgcacc	accacacctn	ntaatttttg	2040
tatttttagt	agagacaggg	ttttaccata	ttggccaggc	tggcttgaa	ctcctgacct	2100
catgatctgc	ccgccttggc	tcccggagt	ctgggattac	aggtgtgagc	cactggcccc	2160
ccagcctatt	ttcactttat	ttaccaat	taggacctga	tatggcceca	nnntctgttc	2220
tagatctaga	accaagata	caacaacaaa	tgatcctttt	tattcta	gagggaaatg	2280
aacaaaaagc	aaggcataaa	aaatagcagc	agccgggcac	agtagctcac	acctgtaatc	2340
ccaagtaagg	ccaagtnngg	aggatagctt	gagccaggga	gttcgagacc	agcctgggca	2400
acatagcaag	accccatct	ctataaaaaa	aaatttaaaa	ttaactgggc	atcatggcat	2460
gtgtctgtgg	tcccggctac	tcgggaggct	gaggtgggag	gattgcttga	tcccagaagt	2520
tgaggctgca	gtgagccgtg	atcatgctac	tgacacctca	cctggccgac	acaatgagac	2580
cctgtttcca	aaataataat	aataaaaagca	aatatgcgct	gctgtgagaa	ttaacagaga	2640
cttacttggg	tgttcagaaa	gggcctctga	acagggtggca	tttaagctga	gattcatatg	2700
acaaggatgg	agcagttatg	tggagatcag	ggagagggga	gaatgcaaag	gccttcagca	2760
ggcacaagct	tgccatcttc	cagaccctag	cttttaactc	ctcttcccca	ggttcagggg	2820
gattactatg	gagatctggc	tgctcgctg	ggctatttcc	ccagtagcat	tgtccgagag	2880
gaccagaccc	tgaaacctgg	caaagtcgat	gtgaagacag	acgtgagtgt	catgggggct	2940
ggcaagaaat	gtggggggag	gaccttagg	ttgtggggat	gggcaaaaat	gctccacac	3000

ttgggtccct	ggccgcctag	gtatgtgccc	tgggagaaat	tctttccctg	cctcaatttt	3060
ctcaccagta	aaatgggtcc	agttgggagg	tgcaaagatt	agagggctct	aggctaattt	3120
gcatagcann	tgtgtggcca	gacctgggcc	ctgcagctgc	agcctttgct	aaaaccacta	3180
gatcctttgt	ggtgtgaccg	ctggttttct	ttccactgtt	tcccccttct	ctttttcaga	3240
aatgggattt	ctactgccag	tgagctcagc	ctaccgctgg	ccttgccgtt	tcccctcctt	3300
gggttttatgc	aaataacaatc	agcccaagtgc	aaacggctcg	tctccgtggt	ctttgggggtg	3360
gggtagggtta	gggtggggac	tgtacaaaatg	aaatgtttct	ctaggttgct	gaatctaacc	3420
aattaacccg	ctgcctgtgg	taacgtcagt	ggttgctagg	cagagtttcg	ctgatgaaag	3480
ccctgtgcag	taggagcgct	cctaagctta	ggtttcgaca	caagcaaaga	aaacctaagc	3540
agcccaacta	gggattgtag	tgtcctctct	aga			3573

```
<210> 981
<211> 1130
<212> DNA
<213> Homo sapiens
```

```
<210> 982
<211> 1457
<212> DNA
<213> Homo sapiens
```

cgtcccacta	gcagcggagc	ccccacccc	ctcagcaggg	ccggagacct	agatgtcatt	780
gtttccagag	aaggagaaaa	tggacagtct	agagactctg	gagctggata	actaaaaata	840
aaaatatatg	caaagatatt	tcttggaat	tagaagagca	aaatccaaat	tcaaagaaac	900
agggcggtggg	gcgcactttt	aaaagagaaa	gcgagacagg	cccgtggaca	gtgattccca	960
gacgggcagc	gcaccatcct	cacatcctct	gcattctgat	agaagtctga	acagttgttt	1020
gtgttttttt	tttttttttt	ttgacgaaga	atgtttttat	ttttattttt	ttcatgcatg	1080
cattctcaag	aggtcgtgcc	aatcatcagc	cactgaaagg	aaaggcatca	ctatggactt	1140
tctctatttt	aaaatggtaa	caatcagagg	aactataaga	acacctttag	aaataaaaaat	1200
actgggatca	aactggcctg	caaaaccata	gtcagttaat	tctttttttt	atccttcctc	1260
tgaggggaaa	aacaaaaaaa	aacttaaaat	acaaaaaata	acattctatt	tattttattga	1320
ggacccatgg	taaagtcaat	agtccggtgt	ctaaatgcat	tcatattttt	atgattgttt	1380
tgtaaatatc	tttgtatatt	tttctgcaat	aaataaatat	aaaaaattta	gagaaaaaaa	1440
aaaaaaaaaa	aaaaaaa					1457

<210> 983  
 <211> 1296  
 <212> DNA  
 <213> Homo sapiens

<400> 983	cgggcgccctg	ggttggcgct	gcggggcgga	ggcgggtgtct	gagcgccgct	ccggctctgc	60
tctctctcga	gcttcggcac	ccgcccagc	cgctcgcgcg	cccgccacct	gtctgccac		120
tcggctgtct	gtctgccctc	ccgcccagc	ctctgcctc	gggctgccc	tctccggtct		180
cgggtgctccg	aggggcgacg	agaagcgcg	cggggcgctg	gcgcaccggg	cagggcgcg		240
ggggcgcacg	gcctgggggc	gcacggtgcg	gcgcggggcc	atgaggcttt	ccagcgcggg		300
gagcggcagc	gccggccggc	catggggggt	agcctgcggg	tggccgttct	aggcgccccg		360
ggcgtgggca	agacggccat	catccgccag	ttctgttctg	gtgactacc	cgagcgccac		420
cggcccacgg	acgggcgcg	cctctaccga	ccgcgggtgc	tgctcgacgg	cgccgtctac		480
gacttgagca	tccgcgacgg	cgacgtcgct	ggccccggct	cgagccccgg	gggtccggag		540
gagtggccag	acgctaagga	ctggagcttg	caggacacgg	acgccttcgt	gctcgtctac		600
gacatctgca	gcccgacag	tttcgactac	gtgaaggccc	tgcggcagcg	catcgcgag		660
accaggccgg	cgggcgcgcc	cgaagcgccc	atcctcgtgg	taggcaacaa	gcgggacagg		720
cagcggctgc	gcttcggacc	gcggcgcgcg	ctggccgccc	tagtgcgag	gggctggcg		780
tgcggctacc	tcgagtgtc	cgccaagtac	aactggcacg	tgctgcgtct	cttcgcgag		840
ctgctgcgct	gcgctctggt	gcgcgcgcgc	cctgcacacc	cggccctgcg	cctgcagggg		900
gcgctgcac	ccgcgcgctg	cagcctcatg	tgaccgatc	ggacagtgc	atccatgggc		960
cccaccttgt	gactgggaca	atcagggacc	tggattggac	gggatcgccc	aacttcaactg		1020
ggactggaca	gggaagtctc	cgccctgatt	ggatgaggaa	agctccaacc	cagtctccta		1080
agcgactggc	ccccttttga	acctcattgg	acccaaccag	gtccaagct	ccattggaga		1140
tgaccagtcc	tttctgggac	ctcaatgggt	cacaatccca	ttggatggaa	aggacttggc		1200
tatgaacttg	actggaacaa	cgcagcctgc	tcttgagct	tactggaca	tattctttat		1260
gccacaccta	ccacgggata	ataaaaggga	aaataa				1296

<210> 984  
 <211> 838  
 <212> DNA  
 <213> Homo sapiens

<400> 984	gaattccgga	gttttcatcc	agccacgggc	cagcatgtct	gggggcaa	acgtagactc	60
ggagggacat	ctctacaccg	ttcccatccg	ggaacagggc	aacatctaca	agcccaacaa		120
caaggccatg	gcagacgagc	tgagcgagaa	gcaagtgtac	gacgcgcaca	ccaaggagat		180
cgacctggtc	aaccgcgacc	ctaaacacct	caacgatgac	gtgggtcaaga	ttgactttga		240
agatgtgatt	gcagaaccag	aaggacaca	cagttttcac	ggcatttgga	aggccagctt		300

caccaccttc	actgtgacga	aatactggtt	ttaccgcttg	ctgtctgccc	tctttggcat	360
cccgatggca	ctcatctggg	gcatttactt	cgccattctc	tctttcctgc	acatctgggc	420
agttgtacca	tgcattaaga	gcttcctgat	tgagattcag	tgcaccagcc	gtgtctattc	480
catctacgtc	cacaccgtct	gtgaccctact	ctttgaagct	gttgggaaaa	tattcagcaa	540
tgtccgcctc	aacttgcaga	aagaaatata	aatgacattt	caaggataga	agtataacctg	600
atTTTTTTT	cttttaattt	tcctggtgcc	aatttcaagt	tccaagttgc	taatacagca	660
acgaatttat	gaattgaatt	atcttggttg	aaaataaaaa	gatcactttc	tcagttttca	720
taagtattat	gtctcttctg	agctatttca	tctatttttg	gcagtctgaa	tttttaaaac	780
ccatttatat	ttctttcctt	acctttttat	ttgcatgtgg	atcaaccatc	gctttatt	838

<210> 985  
 <211> 3360  
 <212> DNA  
 <213> Homo sapiens

<400> 985	gaattccggc	tgtgccgcac	cgaggcgagc	aggagcaggg	aacaggtgtt	taaaattatc	60
caactgccat	agagctaaat	tcttttttgg	aaaattgaac	cgaacttcta	ctgaatacaa		120
gatgaaaatg	tggttgctgg	tcagtcactc	tgtgataata	tctattacta	cctgttttagc		180
agagttttaca	tggtatagaa	gatatggtca	tggagtttct	gaggaagaca	aaggatttgg		240
accaattttt	gaagagcagc	caatcaatac	catttatcca	gaggaatcac	tggaaggaaa		300
agtctcactc	aactgtaggg	cacgagccag	ccctttccc	gtttacaaat	ggagaatgaa		360
taatggggac	gttgatctca	caagtgatcg	atacagtatg	gtaggaggaa	accttgttat		420
caacaaccct	gacaaacaga	aagatgctgg	aatatactac	tgttttagcat	ctaataacta		480
cgggatggtc	agaagcactg	aagcaaccct	gagctttgga	tatcttgatc	ctttcccacc		540
tgaggaacgt	cctgaggtca	gagtaaaaga	agggaaagga	atggtgcttc	tctgtgaccc		600
cccataccat	tttccagatg	atcttagcta	tcgctggctt	ctaaatgaat	ttcctgtatt		660
tatcacaatg	gataaacggc	gatttgtgtc	tcagacaaat	ggcaatctct	acattgcaaa		720
tgttgaggct	tcgacaaaag	gcaattatc	ctgctttggt	tccagtcctt	ctattacaaa		780
gagcgtgttc	agcaaattca	tcccactcat	tccaatacct	gaacgaacaa	caaaaccata		840
tcctgctgat	attgtagttc	agttcaagga	tgtatatgca	ttgatgggcc	aaaatgtgac		900
cttagaatgt	tttgacttg	gaaatcctgt	tccggatata	cgatggcgga	aggttctaga		960
accaatgcca	agcactgctg	agattagcac	ctctggggct	gttcttaaga	tcttcaatat		1020
tcagctagaa	gatgaaggca	tctatgaatg	tgaggctgag	aacattagag	gaaaggataa		1080
acatcaagca	agaatttatg	ttcaagcatt	ccctgagtgg	gtagaacaca	tcaatgacac		1140
agaggtggac	ataggcagtg	atctctactg	gccttgtgtg	gccacaggaa	agcccatccc		1200
tacaatccga	tggttgaaaa	atggatatgc	gtatcataaa	ggggaattaa	gactgtatga		1260
tgtgactttt	gaaaatgccg	gaatgtatca	gtgcatagct	gaaaacacat	atggagccat		1320
ttatgcaa	gctgagttga	agatcttggc	gttggtctca	acttttgaaa	tgaatcctat		1380
gaagaaaaag	atcctggctg	ctaaaggtgg	aagggtgata	attgaatgca	aacctaaagc		1440
tgcaccgaaa	ccaaagtttt	catggagtaa	agggacagag	tggcttgtca	atagcagcag		1500
aatactcatt	tgggaagatg	gtagcttgga	aatcaacaac	attacaagga	atgatggagg		1560
tatctataca	tgctttgcag	aaaataacag	agggaaagct	aatagcactg	gaacccttgt		1620
tatcacagat	cctacgcgaa	ttatattggc	cccaattaat	gccgatata	cagttggaga		1680
aaacgccacc	atgcagtgtg	ctgcgtcctt	tgatcctgcc	ttggatctca	catttgtttg		1740
gtccttcaat	ggctatgtga	tcgattttta	caaagagaat	attcactacc	agaggaattt		1800
tatgctggat	tccaatgggg	aattactaat	ccgaaatgcg	cagctgaaac	atgctggaag		1860
atacacatgc	actgcccaga	caattgtgga	caattcttca	gcttcagctg	accttgtagt		1920
gagaggccct	ccaggccctc	caggtggtct	gagaatagaa	gacattagag	ccacttctgt		1980
ggcacttact	tggagccgtg	gttcagacaa	tcatagtcct	atttctaaat	acactatcca		2040
gaccaagact	attctttcag	atgactggaa	agatgcaaag	acagatcccc	caattattga		2100

aggaaatatg	gaggcagcaa	gagcagtggg	cttaatccca	tggatggagt	atgaattccg	2160
cgtggtagca	accaatacac	tgggtagagg	agagcccagt	ataccatcta	acagaattaa	2220
aacagacggt	gctgcaccaa	atgtggctcc	ttcagatgta	ggaggtggag	gtggaagaaa	2280
cagagagctg	accataacat	gggcgccttt	gtcaagagaa	taccactatg	gcaacaattt	2340
tggttacata	gtggcattta	agccatttga	tggagaagaa	tggaaaaaag	tcacagttac	2400
taatcctgat	actggccgat	atgtccataa	agatgaaacc	atgagccctt	ccactgcatt	2460
tcaagttaaa	gtcaaggcct	tcaacaacaa	aggagatgga	ccttacagcc	tactagcagt	2520
cattaattca	gcacaagacg	ctcccagtga	agccccaaca	gaagtaggtg	taaaagtctt	2580
atcatcttct	gagatatctg	ttcattggga	acatgtttta	gaaaaaatag	tggaaagcta	2640
tcagattcgg	tattgggctg	cccatgacaa	agaagaagct	gcaaacagag	ttcaagtcac	2700
cagccaagag	tactcggcca	ggctcgagaa	ccttctgcca	gacacccagt	attttataga	2760
agtcggggcc	tgcaatagtg	caggggtgtg	acctccaagt	gacatgattg	aggctttcac	2820
caagaaagca	cctcctagcc	agcctccaag	gatcatcagt	tcagtaaggt	ctggttcacg	2880
ctatataatc	acctgggatc	atgtcgttgc	actatcaaat	gaatctacag	tgacgggata	2940
taagggtactc	tacagacctg	atggccagca	tgatggcaag	ctgtattcaa	ctcacaacaa	3000
ctccatagaa	gtcccaatcc	ccagagatgg	agaatacggt	gtggaggttc	gcgcgcacag	3060
tgatggagga	gatggagtgg	tgtctcaagt	caaaatttca	ggtgcaccca	ccctatcccc	3120
aagtcttctc	ggcttactgc	tgccctgctt	tggcatcctt	gtctacttgg	aattctgaat	3180
gtgttgtgac	agctgctgtt	cccatcccag	ctcagaagac	acccttcaac	cctgggatga	3240
ccacaattcc	ttccaatttc	tgcggctcca	tcctaagcca	aataaattat	actttaacaa	3300
actattcaac	tgattttacaa	cacacatgat	gactgaggca	ttcaggaacc	ccttcatcca	3360

<210> 986  
 <211> 4037  
 <212> DNA  
 <213> Homo sapiens

<400> 986						
gagctccggt	gggagtccca	tgtttcttta	tggcataatg	ggtgagaaca	cagacttgga	60
agccaaacca	cctgaatttg	aaccccagtt	ccattttacca	actgtcaaaa	gcttaggctt	120
tgattctaag	cctgttttct	caactgctgt	tctaaagatt	aaataggcta	atattcataa	180
ggcaactggg	acagtggctt	gtgtgtatag	caaccattat	ataagtgaat	tatctactga	240
gcaccacagc	acttcttcac	tccatgggtg	ggtgaccaga	atggagatga	gacagagaac	300
tgcaggttct	gcttcgagtt	taagttagga	tttcccttga	ccaatgagac	ctgacttgga	360
ggagtctgg	cctcattcca	ttaccccaaa	caccctctag	tctctagatg	aacagatcct	420
gaatgtccag	gccccacgtg	gcctgttcta	aggcctgaga	tgggaattgga	tacaggacac	480
atccagcctt	gagatctttt	gctaagtgtg	acacagtgcc	cccagccctg	tgctcatggt	540
catgcctagg	gaaaggcttc	tatcaaaaga	gttgaacttc	ttcccactgg	ggatggaaga	600
ccatttctct	ccttaaacct	tggtctctcc	tgcttctctc	aggccaccaa	caacacatgt	660
gcaggatatg	aaattgctga	ggcatcactg	ctttctactc	tcccttccaa	gtctcagctc	720
ccttattttta	aaaaatatatt	ggcctcaatg	atcatttctc	aacaattcct	caccgcagga	780
gcctctgaag	ctcccaccag	gccagctctc	ctcccacaa	agcttcccac	agcatgaaga	840
tctccgtggc	tgccattccc	ttcttctctc	tcatcaccat	cgccttaggg	accaagactg	900
aatcctcctc	acgtgagtgc	aatgccttgt	cttcttccca	acctagagcc	tgcagggaaa	960
taagcaggag	tgaggttggg	gctcagggga	agaccaggag	cagggactca	gaaaggaggg	1020
ctgggtatctt	cttgaaattg	tgtgtatagc	aacattatat	aaatgaatta	tctactgagc	1080
accacagcac	ttcaccccat	ggtgtggtga	gcaggatgga	gatgagactt	aggactgtag	1140
gttctgctta	agagtttaag	ttgggatctt	ccagccttga	ccaatgagac	ttgacttggg	1200
agactccagg	cttcattcca	ctaccccaaa	tgcctcttag	tctccaaata	aacagatcct	1260
gaatctccag	gcctcacatg	gccttgatct	cttatcattg	ccccccagga	ccagtcccc	1320
cttgccctca	aggacatgga	gtgagaccag	cctgcctctc	tactccctca	atctctctct	1380



```

ctttgccgct aagcaaaaaga gtggcccacc ccatttgggg tatatttcct cagggagatt 1440
aggagcagtg tcttgagccc ctcaagggca tttttctatt ggccctcctga ggtttgggcc 1500
cagcctgctt ccagcgtcac ctgtgccag tgagtgcagc attgcttggg tatgggctgg 1560
ggggaaacac gacagtgtgg ggtccatcct agggccctt ttctcagctg atttcttaga 1620
ataagctgcc tttagagata accaaaacta tttatcactc ttccatttta cctactctcc 1680
ttttcagaaa ctggggggaa accgaagggt gttaaaatac agctaaagtt ggtgggtatg 1740
tgcacagttt gacttgcctt ctccgatgtc atttgtcagc tcagaggaac aagggtgggag 1800
agtataggag ctctgactgg gtctcaggaa acagggggcc cttatgccgt tctttggatc 1860
gtgaggatgc tgccctggaat ggagctggaa aacaggatga gacccttcca ccagacatc 1920
tggccaccct cagtgcctc tgaggccatt gtgatgcaca tccatgattc tatgaagcag 1980
ggtcacataa catgcacaca cctgatttct ccactccata accacaacat gtgcctgttt 2040
gtacagggct cttggcctac aatgtccttc ctgctacctc tataattcaa gcttgggggtg 2100
gctgctgtca ccttgcttct cctataaaaag ccatgaaact tctcaatcag aaaatagatg 2160
aaaaaatcac ccaatccagt gattttttaa actttttaga ccacaaaacc ttttcttcaa 2220
gcaatatctt ccacagaggc ccaatatgta aaacagaaaa aatgggttga gtaggggtaca 2280
agacaccact ctcaaagca gcaaggcctc cacaatagtc cctgaggccc ccagagctca 2340
gtgtaaaaaac cactgatgca gtccaagggc ctcatctaca gaggaggga cagggggaaa 2400
gtaaaatggc cacagtacac aggaagcaca ggcaaggtta ggtaggatt tgggtgcctt 2460
gactctgtgg cctttgtcct tggggcttgc tgtgggcatc ctgctctctc tgcaggttgt 2520
cggttcaatg gggacatggg caggggtggg cactaggagg ggctgggttt gcattcccaa 2580
atggcatgtc tccaaatccc tattgggatt tcttccaaat attcctccta tttggagcac 2640
ctttcccgaa taaggcatga aggctgcatg atattggcca agtccctagc cttctctgcc 2700
agtccgcccc cagagatggt gtaagaagat ctgagtgtgc tgctcttcaa tccctggagtt 2760
gaaagtcac caccagtctt tccaagagg gttgaagaaa aggaggaagg gtgattgatg 2820
atgaggagg agaaaaagaa gagcccagga gtaccatgga gaaggagaag agaagatgag 2880
gaaagcctac tctccctcc aagttctgag gggctgtctc ctccctcctt ccctcctcca 2940
tgccctcagc ttgcaggagc agccaatggt atggccttta acaagggggc cctcctcagc 3000
atctgatgt ctctcctcag ggggacctta ccacctca gagtgtgct tcacctacac 3060
tacctacaag atcccgctc agcggattat ggattactat gagaccaaca gccagtgtc 3120
caagcccga attgtgtagg tggtagacac acatcacact ggggggagag ggagccagca 3180
gggcctcctg gaggaagca gggagtggg gtggaatggg gaccccagc gtacctcca 3240
ggtgtgacta catggggaga ggcagctgag gggcaatctg agcgcttctt ggctggagcc 3300
tgaggagcc atggggaaac tgaccccatg gatggggaga tgacagagaa gggagaagaa 3360
ggcaagagg cacttctca gggggacaca gagactagat gggctaggg gtctagga 3420
ccgaagagta tgtctcagag aggagactgg ctctaagctg cctctgtgga agaaaggaaa 3480
agcagtatag gtcaggtggg gaatttagga gggagggaag atgggctgtc tcttccggcc 3540
actgggcccc tcggtttgtg atccttctcc ctcttgctcc acagcttcat caccaaaagg 3600
ggcattccg tctgtaccaa cccagtgac aagtgggtcc aggactatat caaggacatg 3660
aaggagaact gagtgaacca gaaggggtgg cgaaggcaca gctcagagac ataaagagaa 3720
gatgccaagg cccctcctc caccaccgc taactctcag cccagtcac cctcttgag 3780
cttccctgct ttgaattaaa gaccactcat gctcttccct ggctcattc ctttctacgg 3840
gatttactca ttggccatgc actgaggaca ccagggtgtg gcacctcgg catcaagcct 3900
cgctctgcag aagttttggt ggagcctgg acaaaaaata ggtcaggcct gcaatgcagg 3960
tagtgagaag cagaaagtga gaaagaaaag cagtgtaaag accgtctcct cctcagcagc 4020
aacagtagca gaccccg 4037

```

<210> 987  
 <211> 3426  
 <212> DNA  
 <213> Homo sapiens

<400> 987						
gtaggaatcg	cagcgccaac	ggttgcaagg	cccaagaagc	catcctggga	aggaaaatgc	60
attggggaac	cctgtgcgga	ttcttgtggc	tttggcccta	tcttttctat	gtccaagctg	120
tgcccatcca	aaaagtccaa	gatgacacca	aaaccctcat	caagacaatt	gtcaccagga	180
tcaatgacat	ttcacacacg	cagtcagtct	cctccaaaca	gaaagtcacc	ggtttggact	240
tcattcctgg	gctccacccc	atcctgacct	tatccaagat	ggaccagaca	ctggcagtct	300
accaacagat	cctcaccagt	atgccttcca	gaaacgtgat	ccaaatatcc	aacgacctgg	360
agaacctccg	ggatcttctt	cacgtgctgg	ccttctctaa	gagctgccac	ttgccctggg	420
ccagtggcct	ggagaccttg	gacagcctgg	ggggtgtcct	ggaagcttca	ggctactcca	480
cagaggtggg	ggccctgagc	aggctgcagg	ggctctctga	ggacatgctg	tggcagctgg	540
acctcagccc	tgggtgctga	ggccttgaag	gtcactcttc	ctgcaaggac	tacgttaagg	600
gaaggaaactc	tggcttccag	gtatctccag	gattgaagag	cattgcatgg	acacctctta	660
tccaggactc	tgtcaatttc	cctgactcct	ctaagccact	cttccaaagg	cataagacct	720
taagcctcct	tttgcttgaa	accaaagata	tatacacagg	atcctattct	caccaggaag	780
ggggtccacc	cagcaaagag	tgggctgcat	ctgggattcc	caccaaggtc	ttcagccatc	840
aacaagagtt	gtcttgtccc	ctcttgaccc	atctccccct	cactgaatgc	ctcaatgtga	900
ccaggggtga	tttcagagag	ggcagagggg	taggcagagc	ctttggatga	ccagaacaag	960
gttccctctg	agaattccaa	ggagtcccat	gaagaccaca	tccacacacg	caggaaactcc	1020
cagcaacaca	agctggaagc	acatgtttat	ttattctgca	ttttattctg	gatggatttg	1080
aagcaaagca	ccagcttctc	caggctcttt	ggggtcagcc	agggccaggg	gtctccctgg	1140
agtgcagttt	ccaatcccat	agatgggtct	ggctgagctg	aacctatttt	gagtgcactc	1200
aggggttggg	tcatctgagc	aagagctggc	aaagggtggc	ctccagttag	ttctctcgta	1260
actggtttca	tttctactgt	gactgatgtt	acatcacagt	gtttgcaatg	gtgttgccct	1320
gagtggatct	ccaaggacca	ggttatttta	aaaagatttg	ttttgtcaag	tgtcatatgt	1380
aggtgtctgc	accaggggtg	ggggaatgtt	tgggcagaag	ggagaaggat	ctagaatgtg	1440
ttttctgaat	aacatttgtg	tgggtgggttc	tttggaagga	gtgagatcat	tttcttatct	1500
tctgcaattg	cttaggatgt	ttttcatgaa	aatagctctt	tcaggggggt	tgtgaggcct	1560
ggccaggcac	ccctgggaga	gaagtctctg	gccctggctg	accccaaaga	gcctggagaa	1620
gctgatgctt	tgttccaaat	ccatccagaa	taaaacgcaa	agggctgaaa	gccatttgtt	1680
ggggcagtg	taagctctgg	ctttctccga	ctgctagggg	gtgggtcttc	ctatcatgga	1740
gtgacgggtc	cacactgggt	actgcgatct	tcagagcagg	ggtccttggg	gtgacctctt	1800
gaatgggtcc	agggttgatc	acactctggg	tttattacat	ggcagtgttc	ctatttgggg	1860
cttgcatgcc	aaattgtagt	tcttgtctga	ttggctcacc	caagcaaggc	caaaattacc	1920
aaaaatcttg	gggggttttt	actccagtg	tgaagaaaac	tccttttagc	gggtgtcctg	1980
agacctgaca	agcactgcta	ggcgagtgcc	aggactcccc	agggcaggcc	accaggatgc	2040
ccttcccact	ggaggtcaca	ttcaggaaga	tgaagaggga	ggtttggggg	ctgccaccat	2100
cctgctgctg	tgtttttgct	atcacacagt	gggtgggtga	tctgtccaag	gaaacttgaa	2160
tcaaagcagt	taactttaag	actgagcacc	tgttctcatg	tcagccctga	ctgggtgctat	2220
aggctggaga	agctcaccca	ataaacatta	agattgaggc	ctgccctcag	ggatcttgcg	2280
ttcccagtg	tcaaaccgca	ctcacccatg	tgccaagggt	gggtatttac	cacagcagct	2340
gaacagccaa	atgcatgggt	cagttgacag	caggtgggaa	atgggtatgag	ctgagggggg	2400
ccgtgccag	ggggccacag	ggaacctgc	ttgcactttg	taacatgttt	acttttcagg	2460
gcatcttagc	ttctattata	gccacatccc	tttgaaacaa	gataactgag	aattttaaaaa	2520
taagaaaata	cataagacca	taacagccaa	caggtggcag	gaccaggact	atagcccagg	2580
tcctctgata	cccagagcat	tacgtgagcc	aggtaatgag	ggactggaac	cagggagacc	2640
gagcgctttc	tggaaaagag	gagtttcgag	gtagagtttg	aaggagggtga	gggatgtgaa	2700
ttgcctgcag	agagaagcct	gttttgttgg	aagggttggg	gtgtggagat	gcagaggtaa	2760
aagtgtgagc	agtgagttac	agcgagaggc	agagaaagaa	gagacaggag	ggcaaggggc	2820

atgctgaagg	gaccttgaag	ggtaaagaag	tttgatatta	aaggagttaa	gagtagcaag	2880
ttctagagaa	gaggctggtg	ctgtggccag	ggtgagagct	gctctggaaa	atgtgaccca	2940
gaccttcaca	accacctaata	caggctgagg	tgtcttaagc	cttttgctca	caaaacctgg	3000
cacaatggct	aattcccaga	gtgtgaaact	tcctaagtat	aaatggttgt	ctgtttttgt	3060
aacttaaaaa	aaaaaaaaaa	agtttggccg	ggtgcggtgg	ctcacgcctg	taatcccagc	3120
actttgggag	gccaaagggtg	ggggatcaca	aggtcactag	atggcgagca	tcctggccaa	3180
catggtgaaa	ccccgtctct	actaaaaaca	caaaagttag	ctgagcgtgg	tggcgggcgc	3240
ctgtagtccc	agccactcgg	gaggctgaga	caggagaatc	gcttaaacct	gggaggcgga	3300
gagtacagtg	agccaagatc	gcgccactgc	actccggcct	gatgacagag	cgagattccg	3360
tcttaaaaaa	aaaaaaaaaa	aaagtttgtt	tttaaaaaaa	tctaaataaa	ataactttgc	3420
cccctg						3426

<210> 988  
 <211> 3388  
 <212> DNA  
 <213> Homo sapiens

<400> 988						
aattcggaga	acctgctaca	ggaacagctg	caggcagaga	cagagctgta	tgcagaggct	60
gaggagatgc	gggtgcggct	ggcggccaag	aagcaggagc	tggaggagat	actgcatgag	120
atggaggccc	gcctggagga	ggaggaagac	aggggccagc	agctacaggc	tgaaaggaag	180
aagatggccc	agcagatgct	ggaccttgaa	gaacagctgg	aggaggagga	agctgccagg	240
cagaagctgc	aacttgagaa	ggtcacggct	gaggccaaga	tcaagaaact	ggaggatgag	300
atcctggtca	tggatgatca	gaacaataaa	ctatcaaaag	aacgaaaact	ccttgaggag	360
aggattagtg	acttaacgac	aaatcttgca	gaagaggaag	aaaaggccaa	gaatcttacc	420
aagctgaaaa	acaagcatga	atctatgatt	tcagaactgg	aagtgcggct	aaagaaggaa	480
gagaagagcc	gacaggagct	ggagaagctg	aaacggaagc	tggagggtga	tgccagcgac	540
ttccacgagc	agatcgctga	cctccaggcg	cagatcgtag	agctcaagat	gcagctggcc	600
aagaaggagg	aggagctgca	ggcggccctg	gccaggcttg	acgatgaaat	cgctcagaag	660
aacaatgccc	tgaagaagat	ccgggagctg	gagggccaca	tctcagacct	ccaggaggac	720
ctggactcag	agcggggcgc	caggaacaag	gctgaaaagc	agaagcgaga	cctcggcgag	780
gagctggagg	ccctaaagac	agagctggaa	gacacactgg	acagcacagc	cactcagcag	840
gagctcaggg	ccaagagggg	gcaggagggtg	acggtgctga	agaaggccct	ggatgaagag	900
acgcggtccc	atgaggctca	ggtccaggag	atgaggcaga	aacacgcaca	ggcgggtggag	960
gagctcacag	agcagcttga	gcagttcaag	agggccaagg	cgaacctaga	caagaataag	1020
cagacgctgg	agaaagagaa	cgcagacctg	gccggggagc	tgccgggtcct	gggccaggcc	1080
aagcaggagg	tggaacataa	gaagaagaag	ctggaggcgc	aggtgcagga	gctgcagtcc	1140
aagtgcagcg	atggggagcg	ggcccgggcg	gagctcaatg	acaaagtcca	caagctgcag	1200
aatgaagttg	agagcgtcac	agggatgctt	aacgaggccg	aggggaaggc	cattaagctg	1260
gccaaggacg	tggcgtccct	cagttcccag	ctccaggaca	cccaggagt	gcttcaagaa	1320
gaaacccggc	agaagctcaa	cgtgtctacg	aagctgcgcc	agctggagga	ggagcggaac	1380
agcctgcaag	accagctgga	cgaggagatg	gaggccaagc	agaacctgga	gcgccacatc	1440
tccactctca	acatccagct	ctccgactcg	aagaagaagc	tgaggactt	tgccagcacc	1500
gtggaagctc	tggaagaggg	gaagaagagg	ttccagaagg	agatcgagaa	cctcaccag	1560
cagtacgagg	agaaggcggc	cgcttatgat	aaactggaaa	agaccaagaa	caggcttcag	1620
caggagctgg	acgacctggt	tgttgatttg	gacaaccagc	ggcaactcgt	gtccaacctg	1680
gaaaagaagc	agaggaaatt	tgatcagttg	ttagccgagg	agaaaaacat	ctcttccaaa	1740
tacgcggatg	agagggacag	agctgaggca	gaagccaggg	agaaggaaac	caaggccctg	1800
tccctggctc	gggcccttga	agaggccttg	gaagccaaag	aggaactcga	gcggaccaac	1860
aaaatgctca	aagccgaaat	ggaagacctg	gtcagctcca	aggatgacgt	gggcaagaac	1920
gtccatgagc	tggagaagtc	caagcggggc	ctggagaccc	agatggagga	gatgaagacg	1980

cagctggaag	agctggagga	cgagctgcaa	gcctcggagg	acgccaaact	gctgctggaa	2040
gtcaacatgc	aggcgctcaa	gggccagttc	gaaagggatc	tccaagccc	ggacgagcag	2100
aatgaggaga	agaggaggca	actgcagaga	cagcttcacg	agtatgagac	ggaactggaa	2160
gacgagcgaa	acgaacgtgc	cctggcagct	gcagcaaaga	agaagctgga	aggggacctg	2220
aaagacctgg	agcttcaggc	cgactctgcc	atcaagggga	gggaggaagc	catcaagcag	2280
ctacgcaaac	tgcaggctca	gatgaaggac	tttcaaagag	agctggaaga	tgcccgtgcc	2340
tccagagatg	agatctttgc	cacagccaaa	gagaatgaga	agaaagccaa	gagcttggaa	2400
gcagacctca	tgcagctaca	agaggacctc	gccgccgctg	agagggctcg	caaacaagcg	2460
gacctcgaga	aggaggaact	ggcagaggag	ctggccagta	gcctgtcggg	aaggaacgca	2520
ctccaggacg	agaagcgccg	cctggaggcc	cggatcgccc	agctggagga	ggagctggag	2580
gaggagcagg	gcaacatgga	ggccatgagc	gaccgggtcc	gcaaagccac	acagcaggcc	2640
gagcagctca	gcaacgagct	ggccacagag	cgcagcacgg	cccagaagaa	tgagagtgcc	2700
cggcagcagc	tcgagcggca	gaacaaggag	ctccggagca	agctccacga	gatggagggg	2760
gccgtcaagt	ccaagtcca	gtccaccatc	gcggcgctgg	aggccaagat	tgacagctg	2820
gaggagcagg	tcgagcagga	ggccagagag	aaacaggcag	ccaccaagtc	gctgaagcag	2880
aaagacaaga	agctgaagga	aatcttgctg	caggtggagg	acgagcgcaa	gatggccgag	2940
cagtacaagg	agcaggcaga	gaaaggcaat	gccagggtca	agcagctcaa	gaggcagctg	3000
gaggaggcag	aggaggagtc	ccagcgcata	aacgccaaac	gcaggaagct	gcagcgggag	3060
ctggatgagg	ccacggagag	caacgaggcc	atgggccgtg	aggtgaacgc	actcaagagc	3120
aagctcagag	ggcccccccc	acaggaaact	tcgcagtgat	gcaccaggcg	aggaaacgag	3180
acctctttcg	ttccttctag	aaggctctga	ggacgtagag	ttattgaaaa	tgagatggt	3240
tctgaggagg	aactggacac	tcgagacgca	gacttcaatg	gaaccaaggc	cagtgaataa	3300
gcaactttct	acagttttgc	accacggcaa	gaaaacccaa	aacccaaaca	aacaaacaaa	3360
aaaaacccaa	caacaacccg	aacaagac				3388

<210> 989  
 <211> 854  
 <212> DNA  
 <213> Homo sapiens

<400> 989	tgaggaggag	tggtattccag	ccccagccc	cagggctctg	aatcgctgcc	agctcagccc	60
	cctgcccagc	ctgcccacac	gcctgagccc	cagcaggcca	gagagcccag	tcctgaggtg	120
	agctgctgtg	gcctgtggcc	aggcgacccc	agcgctccca	gaactgaggc	tgccagccag	180
	ccccagcctc	agccccaaact	gcgaggcaga	gagacaccaa	tggaatccc	aatggggaag	240
	tcgatgctgg	tgctttctac	cttcttgccc	ttcgctctgt	gctgcattgc	tgcttaccgc	300
	cccagtgaga	ccctgtgcgg	cggggagctg	gtggacaccc	tccagttcgt	ctgtggggag	360
	cgcggtttct	acttcagcga	cttccagagg	cccgaagcc	gtgtgagccg	tcgcagccgt	420
	ggcatcggtg	aggagtgtg	tttccgcagc	tgtgacctgg	ccctcctgga	gacgtactgt	480
	gctacccccg	ccaagtccga	gagggacgtg	tcgacccctc	cgaccgtgct	tcgggacaac	540
	ttccccagat	accccggtgg	caagttcttc	caatatgaca	cctggaagca	gtccacccag	600
	cgctgcgca	ggggcctgcc	tgccctcctg	cgtgcccgcc	ggggtcacgt	gctcgccaag	660
	gagctcgagg	cgttcaggga	ggccaaacgt	caccgtcccc	tgattgctct	accacccaa	720
	gaccccgccc	acggggggcg	ccccccagag	atggccagca	atcggaagtg	agcaaaactg	780
	ccgcaagtct	gcagcccggc	gccaccatcc	tgacgcctcc	tcctgaccac	ggacgtttcc	840
	atcaggttcc	atcc					854

<210> 990  
 <211> 1025  
 <212> DNA  
 <213> Homo sapiens

<400> 990	gtcccagcgc	cgagcggaga	cgatgcagcg	gagactgggt	cagcagtggg	gcgtcgcggt	60
-----------	------------	------------	------------	------------	------------	------------	----

gttcctgctg	agctacgcgg	tgcctcctg	cgggcgctcg	gtggagggtc	tcagccgccg	120
cctcaaaaga	gctgtgtctg	aacatcagct	cctccatgac	aaggggaagt	ccatccaaga	180
tttacggcga	cgattcttcc	ttcaccatct	gatcgcagaa	atccacacag	ctgaaatcag	240
agctacctcg	gaggtgtccc	ctaactccaa	gccctctccc	aacacaaaaga	accaccccgt	300
ccgatttggg	tctgatgatg	agggcagata	cctaactcag	gaaactaaca	aggtgggagac	360
gtacaaagag	cagccgctca	agacacctgg	gaagaaaaag	aaaggcaagc	ccgggaaacg	420
caaggagcag	gaaaagaaaa	aacggcgaac	tcgctctgcc	tggttagact	ctggagtgac	480
tgggagtggg	ctagaagggg	accacctgtc	tgacacctcc	acaacgtcgc	tggagctcga	540
ttcacggagg	cattgaaatt	ttcagcagag	accttccaag	gacatattgc	aggattctgt	600
aatagtgaac	atatggaaag	tattagaaat	atttattgtc	tgtaaatact	gtaaatgcat	660
tggaataaaa	ctgtctcccc	cattgctcta	tgaaactgca	cattggtcat	tgtgaatatt	720
tttttttttg	ccaaggctaa	tccaattatt	attatcacat	ttaccataat	ttattttgtc	780
cattgatgta	tttattttgt	aaatgtatct	tgggtgctgct	gaattttctat	attttttgta	840
acataatgca	ctttagatat	acatatcaag	tatgttgata	aatgacacaa	tgaagtgtct	900
ctattttgtg	gttgatttta	atgaatgcct	aatataaatt	atccaaattg	atttttccttc	960
gtgcatgtaa	aaataacagt	atttttaaatt	tgtaaagaat	gtctaataaaa	atataatcta	1020
attac						1025

```
<210> 991
<211> 655
<212> DNA
<213> Homo sapiens
```

<400>	991	ccaatggcca	ttagccttca	cccatccgca	cgacctcatt	tacatcccct	attcttatca	60
		tcttccagac	cacctcgaga	gccaggggtt	cagagcccct	ctttccta	gagggctccc	120
		aggacaggat	gaggtgcctg	cctgaggtca	cacggcaggg	agtgcagctc	cccctgcccc	180
		gacctgctga	gccccatcac	ttccgcagat	cctggcattc	tctcagaagc	tgtactacga	240
		caaggaacag	acagtgaagc	tgaaggacaa	tgtcaggccc	ctgcagcagc	tggggcagcg	300
		cacggtgata	aagtcggggg	ccccgggtcg	gccgctgccc	tgggcccctgc	ctgccctgct	360
		gggccccatg	ctggcctgcc	tgctggccgg	cttccctgga	tgatggctca	cttctgcacg	420
		cagcctctct	gttgccctcag	ctctccaagt	tccaggcttc	cggctccttag	ccttcccagg	480
		tgggacttta	ggcatgatta	aaatatggac	atatttttgg	agaaaccttt	ctcaagtgtg	540
		tttttagcct	tccacaacta	ccccaccctg	tccccctcca	cccacccctg	ttcctcctgt	600
		tccagggcgg	gggctttaag	gccaggagat	ttctccaagc	aggtaccacc	aggtg	655

```
<210> 992
<211> 2130
<212> DNA
<213> Homo sapiens
```

<400>	992								
gcgcccaggt	agctgcgagg	aaacttttgc	agcggctggg	tagcagcacg	tctcttgctc				60
ctcagggcca	ctgccaggct	tgccgagtc	tgggactgct	ctcgctccgg	ctgccactct				120
cccgcgtct	cctagctccc	tgcgaagcag	gatggccggg	accgtgcgca	ccgcgtgctt				180
ggtggtggcg	atgctgctca	gcttggactt	cccgggacag	gcgcagcccc	cgccgccgcc				240
gccggacgcc	acctgtcacc	aagtccgctc	cttcttccag	agactgcagc	ccggactcaa				300
gtgggtgcc	gaaactcccg	tgccaggatc	agatttgcaa	gtatgtctcc	ctaagggccc				360
aacatgctgc	tcaagaaaga	tggaagaaaa	ataccaacta	acagcacgat	tgaacatgga				420
acagctgctt	cagtctgcaa	gtatggagct	caagttctta	attattcaga	atgctgcggt				480
tttccaagag	gcctttgaaa	ttgttggttcg	ccatgccaaag	aactacacca	atgccatggt				540
caagaacaac	tacccaagcc	tgactccaca	agcttttgag	tttgtgggtg	aatttttcac				600
agatgtgtct	ctctacatct	tgggttctga	catcaatgta	gatgacatgg	tcaatgaatt				660
gtttgacagc	ctgtttccag	tcatctatac	ccagctaata	aaccacaggc	tgcttgattc				720
agccttggac	atcaatgaat	gcctccgaag	agcaagacgt	gacctgaaa	tatttgggaa				780

tttccccaag	cttattatga	cccaggtttc	caagtcactg	caagtcacta	ggatcttcct	840
tcaggctctg	aatcttgga	ttgaagtgat	caacacaact	gatcacctga	agttcagtaa	900
ggactgtggc	cgaatgctca	ccagaatgtg	gtactgctct	tactgccagg	gactgatgat	960
ggttaaacc	tgtggcggtt	actgcaatgt	ggtcatgcaa	ggctgtatgg	caggtgtggt	1020
ggagattgac	aagtactgga	gagaatacat	tctgtccctt	gaagaacttg	tgaatggcat	1080
gtacagaatc	tatgacatgg	agaacgtact	gcttgggtctc	ttttcaacaa	tccatgattc	1140
tatccagtat	gtccagaaga	atgcaggaaa	gctgaccacc	actattggca	agttatgtgc	1200
ccattctcaa	caacgccaat	atagatctgc	ttattatcct	gaagatctct	ttattgacaa	1260
gaaagtatta	aaagttgctc	atgtagaaca	tgaagaaacc	ttatccagcc	gaagaaggga	1320
actaattcag	aagttgaagt	ctttcatcag	cttctatagt	gctttgcctg	gctacatctg	1380
cagccatagc	cctgtggcgg	aaaacgcac	cctttgctgg	aatggacaag	aactcgtgga	1440
gagatacagc	caaaaggcag	caaggaatgg	aatgaaaaac	cagttcaatc	tccatgagct	1500
gaaaatgaag	ggccctgagc	cagtggctcag	tcaaattatt	gacaaactga	agcacattaa	1560
ccagctcctg	agaaccatgt	ctatgcccac	aggtagagtt	ctggataaaa	acctggatga	1620
ggaagggttt	gaaagtggag	actgcgggtga	tgatgaagat	gagtgcattg	gaggctctgg	1680
tgatggaatg	ataaaagtga	agaatcagct	ccgcttcctt	gcagaactgg	cctatgatct	1740
ggatgtggat	gatgcgcctg	gaaacagtca	gcaggcaact	ccgaaggaca	acgagataag	1800
cacctttcac	aacctcgggc	acgttcattc	cccgtggaag	cttctcacca	gcatggccat	1860
ctcggtggtg	tgcttcttct	tcttggtgca	ctgactgcct	ggtgccccagc	acatgtgctg	1920
ccctacagca	ccctgtggtc	ttcctcgata	aagggaacca	ctttcttatt	tttttctatt	1980
tttttttttt	tgttatcctg	tatacctcct	ccagccatga	agtagaggac	taaccatgtg	2040
ttatgttttc	gaaaatcaaa	tggtatcttt	tggaggaaga	tacatttttag	tggtagcata	2100
tagattgtcc	ttttgcacaa	aaaaaaaccg				2130

```
<210> 993
<211> 2943
<212> DNA
<213> Homo sapiens
```

400> 993	gggaagcatg	gggcttccca	ggctggtctg	cgcttctctg	ctgcgcgcct	gctgctgctg	60
	tcttcgcgtc	gcgggtgtgc	ccggagagggc	tgagcagcct	gcgcctgagc	tggtaggaggt	120
	ggaagtgggc	agcacagccc	ttctgaagtg	cggcctctcc	cagtcccaag	gcaacctcag	180
	ccatgtcgac	tggttttctg	tccacaagga	gaagcggacg	ctcatcttcc	gtgtgcgcca	240
	gggccagggc	cagagcgaac	ctggggagta	cgagcagcgg	ctcagcctcc	aggacagagg	300
	ggctactctg	gccctgactc	aagtcacccc	ccaagacgag	cgcattcttct	tgtgccaggg	360
	caagcgcct	cgggtccagg	agtaccgcat	ccagctccgc	gtctacaaag	ctccggagga	420
	gccaaacatc	caggtcaacc	ccctgggcat	ccctgtgaac	agtaaggagc	ctgaggaggt	480
	cgctacctgt	gtagggagga	acgggtaccc	cattcctcaa	gtcatctggg	acaagaatgg	540
	ccggcctctg	aaggaggaga	agaaccgggt	ccacattcag	tcgctccaga	ctgtggagtc	600
	gagtggtttg	tacaccttgc	agagtattct	gaaggcacag	ctgggttaaag	aagacaaaga	660
	tgccagttt	tactgtgagc	tcaactaccg	gctgcccagt	gggaaccaca	tgaaggagtc	720
	cagggaagtc	accgtccctg	ttttctaccc	gacagaaaaa	gtgtggctgg	aagtggagcc	780
	cgtgggaatg	ctgaaggaag	gggaccgcgt	ggaaatcagg	tgtttggctg	atggcaacc	840
	tccaccacac	ttcagcatca	gcaagcagaa	ccccagcacc	agggaggcag	aggaagagac	900
	aaccaacgac	aacggggtcc	tgggtgctgga	gcctgcccgg	aaggaaacaca	gtgggcgcta	960
	tgaatgtcag	gcctggaact	tggacaccat	gatatcgctg	ctgagtgaac	cacaggaact	1020
	actggtgaac	tatgtgtctg	acgtccgagt	gagtcccgc	gcccctgaga	gacaggaagg	1080
	cagcagcctc	accctgacct	gtgaggcaga	gagtagccag	gacctcgagt	tccagtggct	1140
	gagagaagag	acagaccagg	tgctggaaag	ggggcctgtg	cttcagttgc	atgacctgaa	1200
	acgggaagga	ggagggcggt	atcgctgcgt	ggcgtctgtg	cccagcatac	ccggcctgaa	1260

ccgcacacag	ctggtcaagc	tggccatttt	tggcccccct	tggatggcat	tcaaggagag	1320
gaaggtgtgg	gtgaaagaga	atatggtgtt	gaatctgtct	tgtgaagcgt	cagggcaccc	1380
ccggcccacc	atctcctgga	acgtcaacgg	cacggcaagt	gaacaagacc	aagatccaca	1440
gcgagtcttg	agcacccctga	atgtctctgt	gaccccgagg	ctgttggaga	caggtgttga	1500
atgcacggcc	tccaacgacc	tgggcaaaaa	caccagcatc	ctcttctctg	agctggtcaa	1560
tttaaccacc	ctcacaccag	actccaacac	aaccactggc	ctcagcactt	ccactgccag	1620
tcctcatacc	agagccaaca	gcacctccac	agagagaaaag	ctgccggagc	cggagagccg	1680
gggcgtggtc	atcgtggctg	tgatttgttg	catcctggtc	ctggcggtgc	tgggcgctgt	1740
cctctatttc	ctctataaga	agggcaagct	gccgtgcagg	cgctcagggg	agcaggagat	1800
cacgtgccc	ccgtctcgta	agaccgaact	tgtagttaga	gttaagtcag	ataagctccc	1860
agaagagatg	ggcctcctgc	agggcagcag	cggtgacaag	agggctccgg	gagaccaggg	1920
agagaaatac	atcgatctga	ggcattagcc	ccgaatcact	tcagctccct	tccctgcctg	1980
gaccattccc	agctccctgc	tactctttct	ctcagccaaa	gctcaaaggg	actagagaga	2040
agcctcctgc	tcccctcgcc	tgcacacccc	ctttcagagg	gccactgggt	taggacctga	2100
ggacctcact	tggccctgca	agggccgctt	ttcagggacc	agtccaccac	catctcctcc	2160
acgttgagtg	aagctcatcc	caagcaagga	gccccagtct	cccgagcggg	taggagagtt	2220
tcttgcaaaa	cgtgtttttt	ctttacacac	attatgctgt	aaatacgctc	gtcctgccag	2280
cagctgagct	gggtagcctc	tctgagctgg	tttctgccc	caaaggctgg	cattccacca	2340
tccaggtgca	ccactgaagt	gaggacacac	cggagccagg	cgctgctca	tgttgaagtg	2400
cgctgttcac	acccgctccg	gagagcaccc	cagcagcatc	cagaagcagc	tgcagtgcaa	2460
gcttgcatgc	ctgcgtgttg	ctgcaccacc	ctcctgtctg	cctcttcaaa	gtctcctgtg	2520
acattttttc	tttggtcaga	ggccaggaac	tgtgtcattc	cttaaagata	cgtgccgggg	2580
ccaggtgtgg	ctcacgctg	taatcccagc	actttgggag	gccgagggcg	cggatcacia	2640
agtcagacga	gaccatcctg	gctaacacgg	tgaaccctg	tctctactaa	aaatacaaaa	2700
aaaaattagc	taggcgtagt	ggttggcacc	tatagtccca	gctactcgga	aggctgaagc	2760
aggagaatgg	tatgaatcca	ggaggtggag	cttgcagtga	gccgagaccg	tgccactgca	2820
ctccagcctg	ggcaacacag	cgagactccg	tctcgagccg	gccggttgcg	cgggccctcg	2880
gacctcaga	gaggcgaggg	ttcgagggga	cgagttcgag	gccaacctgg	tccacatggg	2940
ttg						2943

```
<210> 994
<211> 1340
<212> DNA
<213> Homo sapiens
```

<400>	994						
gcaccccgga	gcggtctcag	gccaaagcccc	ctgccagcat	ggccagcgag	ttcaagaaga		60
agctcttctg	gagggcagtg	gtggccgagt	tcctggccac	gacctcttt	gtcttcatca		120
gcatcggttc	tgccctgggc	ttcaaatacc	cgggtggggaa	caaccagacg	gcggtccagg		180
acaacgtgaa	ggtgtcgctg	gccttcgggc	tgagcatcgc	cacgctggcg	cagagtgtgg		240
gccacatcag	cggcgccac	ctcaaccgg	ctgtcacact	ggggctgctg	ctcagctgcc		300
agatcagcat	cttcctgcc	ctcatgtaca	tcatcgcca	gtgcgtgggg	gccatcgctg		360
ccaccgccat	cctctcaggc	atcacctcct	ccctgactgg	gaactcgctt	ggccgcaatg		420
acctggctga	tggtgtgaac	tcggggcagg	gcctgggcat	cgagatcatc	gggacctcc		480
agctggtgct	atgcgtgctg	gctactaccg	accggaggcg	ccgtgacctt	ggtggctcag		540
cccccttg	catcggcctc	tctgtagccc	ttggacacct	cctggctatt	gactacactg		600
gctgtgggat	taaccctgct	cggctccttg	gctccgcggt	gatcacacac	aacttcagca		660
accactggat	tttctgggtg	gggccattca	tcgggggagc	cctggctgta	ctcatctacg		720
acttcacctc	ggccccacgc	agcagtgacc	tcacagaccg	cgtgaagggtg	tggaccagcg		780
gccaggtgga	ggagtatgac	ctggatgccg	acgacatcaa	ctccagggtg	gagatgaagc		840
ccaaatagaa	qgggtctggc	ccgggcaccc	acgtaggggg	caggggcagg	ggcgggcgga		900







cttggcctct ttgggtccac ctccataaat gcacggctcc aggccatgtg gggccagagc 2220  
ctcctgccgc ccgtgtccac ctctttcacc acgggtgggc tgcggatccc cttccccagg 2280  
gactgcgggg aggagatgca gaacggagcc ggtgcctcca ggaccagcac catcttcctc 2340  
aacggcaacc gcgagcggcc cctgaacgtg ttttgcgaca tggagactga tgggggcggc 2400  
tggtgtgtgt tccagcggcg catggatgga cagacagact tctggaggga ctgggaggac 2460  
tatgcccatt gttttgggaa catctctgga gagttctggc tgggcaatga ggccctgcac 2520  
agcctgacac aggcaggtga ctactccatc cgcgtggacc tgcgggctgg ggacgaggct 2580  
gtgttcgccc agtacgactc ctccacgta gactcggtcg cggagtacta ccgcctccac 2640  
ttggagggct accacggcac cgcaggggac tccatgagct accacagcgg cagtgtcttc 2700  
tctgcccgtg atcgggaccc caacagcttg ctcatctcct gcgctgtctc ctaccgaggg 2760  
gcctggtggt acaggaactg ccactacgcc aacctcaacg ggctctacgg gagcacagtg 2820  
gaccatcagg gagttagctg gtaccactgg aagggtctcg agttctcggg gcccttcacg 2880  
gaaatgaagc tgagaccaag aaactttcgc tccccagcgg ggggaggctg agctgctgcc 2940  
cacctctctc gcaccccagt atgactgccg agcactgagg ggtcgccccg agagaagagc 3000  
cagggtcctt caccaccag ccgctggagg aagccttctc tgccagcgat ctgcagcac 3060  
tgtgtttaca ggggggaggg gaggggttcg tacaggagca ataaaggaga aactgaggta 3120  
ccgaaaaa 3128

<210> 997  
<211> 1158  
<212> DNA  
<213> Homo sapiens

<400> 997  
cagcggactc cgagaccagc ggatctcggc aaaccctctt tctcgaccac ccacctacca 60  
ttcttggaac catggcggca gtggcggcgg cctcggttga actgctcatc atcggctggt 120  
acatcttcct cgtgctgctg caggtgttca ggtactcctt gcagaagctg gcatacacgg 180  
tgtcgcggac cgggcggcag gtgttggggg agcgcaggca gcgagcccc aactgaggcc 240  
ccagctccca gcctggcggc ccgtatatag tgctcctgtg catctcggcc agcacgggag 300  
ccagtgcgcg gcaggaatgt ggggtccctt gtgttccttc gccagaggag cacttggcaa 360  
ggtcagttag gggccagtag acccccgagg aagcagtacc gacaatgacg aagataccag 420  
atcccttccc aacccttttg caccggtccc actaaggggc agggctcgaga gaggaggggg 480  
gataggggga gcagaccctg agatctgggc ataggcaccg cattctgacg tggacaaagt 540  
cgggacagca ccatcccagc cccgaagcca gggccatgcc agcaggcccc accatggaaa 600  
tcaaaacacc gcaccagcca gcagaatgga cattctgaca tcgccagccg acgccttgaa 660  
tcttgggtgca gcaccaccg cgtgcctgtg tggcgggact ggagggcaca gttgaggaag 720  
gaggggtggt aagaaatata gtggggccct ctcgctgtcc cttgccaggg gcacttgtat 780  
tccagcctcg ctgcatttgc tctctcgatt gcccttttcc tctacatgc ctcccaagcc 840  
caccctactc caaaagtaat gtgtcacttg atttggaact attcaagcag taaaagtaaa 900  
tgaatcccac ctttactaaa acactttctc tgaaccccc ttgccccctc ctgatcttgc 960  
ttttccctgg tctcatgcag ttgtggtcaa tattgtggta atcgctaatt gtactgattg 1020  
tttaagtgtg cattagttgt ctctccccag ctagattgta agctcctgga ggacagggac 1080  
cacctctaca aaaaataaaa aaagtacctc ccctgtctcg cacagtgtcc caggaccctg 1140  
cgggtgcagta gaggcgca 1158

<210> 998  
<211> 975  
<212> DNA  
<213> Homo sapiens

<400> 998  
cacttcggag gattgctcaa caaccatgct gggcatctgg accctcctac ctctggttct 60  
tacgtctgtt gctagattat cgtccaaaag tgttaatgcc caagtgactg acatcaactc 120  
caagggattg gaattgagga agactgttac tacagttgag actcagaact tggaaggcct 180



```

<400> 1000
acttttctctc tcttttcgatt cttccatact cagagtacgc acggtctgat tttctctttg      60
gattctttcca aaatcagagt cagactgctc ccggtgccat gaacggagac gacgcctttg      120
caaggagacc cacggttggg gctcaaatac cagagaagat ccaaaaggcc ttcgatgata      180
ttgccaaata cttctctaag gaagagtggg aaaagatgaa agcctcggag aaaatcttct      240
atgtgtatat gaagagaaag tatgaggcta tgactaaact aggtttcaag gccaccctcc      300
cacctttcat gtgtaataaa cgggccgaag acttcagggy gaatgatttg gataatgacc      360
ctaaccgtgg gaatcagggt gaacgtcctc agatgacttt cggcaggctc cagggaatct      420
ccccgaagat catgcccaag aagccagcag aggaaggaaa tgattcggag gaagtgccag      480
aagcatctgg ccacaaaaat gatgggaaag agctgtgccc cccgggaaaa ccaactacct      540
ctgagaagat tcacgagaga tctggacca aaagggggga acatgcctgg acccacagac      600
tgcgtagagag aaaacagctg gtgatttatg aagagatcag cgaccctgag gaagatgacg      660
agtaactccc ctacgggata cgacacatgc ccatgatgag aagcagaacg tggtagacct      720
tcacgaacat gggcatggct gcggacccct cgtcatcagg tgcatagcaa gtgaaagcaa      780
gtgttcacaa cagtgaagag ttgagcgtca tttttcttag tgtgccaaga gttcgatgtt      840
agcgttttacg ttgtattttc ttacactgtg tcattctgtt agatactaac attttctattg      900
atgacgcaag ccatacttaa tgcatatttt gggttgggta tccatgaacc taccnnnnga      960
aaccaagnat tgccggttac ctctgcatgg accagcatta cctcctctc tcccagatg      1020
tgactactga ggcagttctg agtgtttaac ttcagatttt ttctctgca tttacacaca      1080
cacgacacaa accacaccac acacacacac acacacacac acacacacac acacacacca      1140
agtaccagta taagcatctg ccatctgctt ttcccattgc catgcgctct ggtcaagctc      1200
ccctcactct gtttctctgg cagcatgtac tcccctcatc cgattcccct gtagcagtca      1260
ctgcacagtt aataaacctt tgcaaacggt aaaaaaaaaa aaaaaaaaaa      1309

```

```

<210> 1001
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1001
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag      60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc      120
ttctgagccc tggagctgga gccagcagt tggaggtggg gcacctgcca ggcagcgcca      180
cagaaccagc cctgtcctct cgacttctct ccttagcttc atgtgaaata aaagctattc      240
tgggtctctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca      300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan      360
tctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggcctctc      420
gaattggcct gcttctcaga atgttgcca taggtnaaaa gcaaggggat cgggggttcag      480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta      540
agtgggtgtt gtgntttaaa aaaaaaa      567

```

```

<210> 1002
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
ccgacatgaa ggtgtcagct gtgatgcatg tttaaaagga aattttcgag gtcgcagata      60
taagtgttta atttgctacg attacgatct ttgtgcatct tggtatgaaa gtggtgcaca      120
acaacaaggc atacaactga ccacccaatg cagtgcata taacaagggt agattttgat      180
ttatactatg gtggggaagc tttctctgta gagcagccac agtcttttac ttgtccctat      240
tgtggaaaat gggctatcga gacatctctc agacctgtta cttctaaca tgcagaaca      299

```

<210> 1003  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1003  
 gttaaaaacat tttttttaaag cagtaagttt atagaaaatg ttttcattta atggaaggct 60  
 ggggaatgtc cagcatcaac ccctatggca tgcattccag tggccttctc atctgggcct 120  
 ggaacctttg ttcagggcctt aggggagaac aggccacatg gcaacagcca cacagtcatt 180  
 gccttcacac agagccacgt gtcccaaaca gcatagtcac gccttgtcag ctggatctaa 240  
 ttgtcatagt cgtgctcctc ctgtagact 269

<210> 1004  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1004  
 gttcagtgtc catacgtatc tgctcatttt gacaaagtgc ctcatgcaac cgggccctct 60  
 ctctgcggca gagtcccttag tggaggggtt tacctggaac attagtagtt accacagaat 120  
 acggaagagc aggtgactgt gctgtgcagc tctctaaatg ggagttctca ggtaggaggc 180  
 aacaccttca gaaagagctc aaaataaatt ggaaatgtga atcgcagctg tgggtgtgac 240  
 caccgcctgt gtagagtccc agg 263

<210> 1005  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1005  
 ataaaccca aggcagccat gtcataagact agtgtttact cttgttttga ctttgtttta 60  
 atgcttccta agacccaagt gcctcctgct gtttcctcct ttgtggtagc ctctggccat 120  
 ctggacctca atgcccagct ttcccacttt cagcagtcct ttgctctctt tgcttctacc 180  
 tcaaatagcc ccaggagtgg gcttttagtct ccaatatgga gcatctcaag cttctcctgg 240  
 ggatgggatt ggatggcaga tctgttttga ctccggtatt ccagtgggta agcagactgg 300  
 acttcc 306

<210> 1006  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1006  
 gttcttttga atacttaatg acagaacaaa tacttggcaa actcctttgc tctgctgtca 60  
 tctgtgttac cttgtcaat ccattggagct ggttccactgt aactagcagg ccacaggaag 120  
 caaagccttg gtgcctgtga gctcatctcc caggatgggtg actaagtagc ttagctagtgt 180  
 atcagctcat cttttaccat aaaagtcac c attgctgttt agcttgactg ttttcctcaa 240  
 gaacatcgat ctgaaggatt cataaggagc ttatctgaac agatttatct aagaaaaaaa 300  
 aaaaacgaca taaaataagt gaaacaacta ggaccaaat acagataaac tagttagctt 360  
 cacagcctct atggctacat ggttcttctg gccgatggta tgacacctaa gttagaacac 420  
 agc 423

<210> 1007  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1007  
 cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccggcc 60  
 ttctgtccgg ccgccgggac agcagactgc cggtaacgcg cgg 103

<210> 1008  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1008  
 gtttcaagaa cacatgaaat tcttttaaca ccagattagt gtgttaccac aaatgaacgg 60

ttctagccct ctattaagaa ataaagggac cataagcatt ttggctgctt atggctgtgt 120  
gttactactt acaagagtct tgaattat acagaacttt gccttctttt tttaatgtct 180  
tccacaatgt tgtgactgat tataaccctg tttccctca gagaagagct atggctcagg 240  
gatctgtgtt gactctggca tttagtggct ttgtgaagga aagaaacc 288

<210> 1009  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 1009  
cctcggttgg cacggtgcgt cttgattaat tagttactct gactctggtc tgccgagatc 60  
catttccaac ccagttgcgt tgggagaggg ttgggaggca gcagagcatg ggtgacagtg 120  
ggagcacacg acttccttgg agcctgggcc tttgcgggtc ccaggtggtc aggagctgg 180  
ag 182

<210> 1010  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 1010  
ctggacacca cttttaaaaa gcaatcactg tgctagaaaa gtatattggc tttgttagga 60  
ttaaagttca ttaacttcaa tgtaatcatg cctcctatta ctgaagtcag attggaacca 120  
ctaaagatcc aaactttctg tctggtaata gaaagtaaaa atctagacat catttacatt 180  
tgagaaagct gtttttaaca ttatttttaa atgccaaata tgttctttct agaaaaatat 240  
ttatttttgt ttttgttggga tagcttttaa ttacatttca gagaggtgta attttggggg 300  
agatgctcat tacatttttg 320

<210> 1011  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 1011  
tcgacctcct gaatcatgtg gttctgcaaa tgaatacctt caactaggat ttagaccact 60  
aagaacttgc acagaaaaac acgcattgaa tgtgtgtcga acctctacat tgtgaagttg 120  
cactatgtac catactctaa aatgaaataa gaactcttta tgtctgtgag agagtgtgtg 180  
tgtgtgtgtg cgtgcgtgtg tgcttgtggg gggtgggtag tgtgtgtgta ttttctctgg 240  
ctttaaaatt ttaaaacaaa caaacaaaaa agccatagag agcagaactt gccgagggtc 300  
atttattgcc caagtttaca agagttagcga tacaagtttt tgcaaattga atttgcctca 360  
gatatatctg tcctaattgct tatatttgca caagtatgta aaatatcgtg ttgaggatca 420  
t 421

<210> 1012  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 1012  
ctctcaaaact tgttttcgaa tctcctggga gtgagggaga aacagggagc tgaatcctcc 60  
cccaagctgt tccaggccag aggactctgc agtaccttct cctacatcta gtaacaaaga 120  
atgggtgataa ccatgcactg gttcaagggt ctggagttct ccatgaaact tgggttaatt 180  
ttgctcagag tatccggagt tagccactag ctgcgggtga aatgggatgg agtagaacia 240  
cagcaggctt cctggagcca catgggctga ctagggcact ctgtggctgg ctgcacggct 300  
caccatgaag aggagaaacg atcccttgcc tgcccctccc tgtggcaggg ctaactgcct 360  
ggcctcctg gctcgagca gccagcccc tggcagcagg ttctcctcag ggcttgggtc 420  
ttcaacctgt ggcgacagga ggcagggcag actgtggagg aca 463

<210> 1013  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1013  
 gcaagtgtgg accccaggta gcctcttggga gatgaccgtt gcgttgagga caaatgggga 60  
 ctttgccacc ggatgcttgt nmtngcacat ttcagggggg tcaggagagt taaggagggt 120  
 gtgggtggga ttccaagggt aggcccaact gaatcgtggg gtgagcttta tagccagtag 180  
 aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc 240  
 acatttgga agtgatcaac cactgttcct tctatggggc tcttgctcta gtgtctatgg 300  
 tgagaacaca ggccccgccg cttcccttgt agagccatag aaatattc 348

<210> 1014  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 1014  
 aacaacatga tatgtgctgg actggaccgg ggccaggacc cttgccagag tgactctgga 60  
 ggccccctgg tctgtgacga gaccctccaa ggcatectct cgtgggggtgt ttaccctgt 120  
 ggctctgcca gcatccagct gtctacacc agatctgcaa atacatgtcc tggatcaata 180  
 aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc 240  
 tgctgatcca gatgccaga ggctccatcg tccatectct tectccccag tcggctgaac 300  
 tctccccttg tctgactgt tcaaacctct gccgccctcc acacctctaa acatctcccc 360  
 tctcacctca ttccccacc tatccccatt ctctgctgt actgaagctg aaatgcagga 420  
 agtgggtggca aaggtttatt ccagagaagc caggaagccg gtcatcacc agcctctgag 480  
 agcagttact ggggtcacca acctgacttc ctctgccact cctgctgtg tg 532

<210> 1015  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 1015  
 tgttaccaat atatccacag aaagaattgc aattttaccaa ggttttcacg tgttttgaga 60  
 gaaatcttac tgaaagacta gtgatgtcca ttttccagta aatactgagc gaaaaacaat 120  
 ttttataccc caatctgagg tataaacttg ctttttgtgg gatcacaact gctgtaaatt 180  
 agacaattgt agcaacaatc caagacaata acagaatgcc tatgacagtc tgccatattc 240  
 tgggtgagtgt ctatcaaagc tcatcatgat tttttgtgag atcttccccg taattggtag 300  
 cttggcttcc aacaaacatg ttccagttct ccaatatttc ctctttagtt agcttctcat 360  
 ccttgttttt gtctgattca tataccagat gcctggcctc agcctgtgag tgatcataat 420  
 cttgagggag gatccagtgg cgaatctcat ctttgtctaa cttcccgctc tgttcagatc 480  
 cggaattcgt taactgctcc c 501

<210> 1016  
 <211> 5338  
 <212> DNA  
 <213> Homo sapiens

<400> 1016  
 ggccgcgagt gcatcttcca cgaacctaat tcatctctcc agcaaaggac acatctctcc 60  
 agcaaaggac acctctctcc agcaaaggac acctgcagag atgtccccag tccttcactt 120  
 ctatgttctg cctctgggcc atgagggggc agcctctgga cacactcgga ggaaactgca 180  
 agggaaactg ccagagctgc agggcgctga gactgaactg tgctacaacg tgaactggac 240  
 agctgaggcc ctccccagtg ctgaggagac aaagaagctg atgtggctgt ttggttgccc 300  
 cttactgctg gatgatgttg ctggggagtc ctggctcctt cctggctcca atgacctgct 360  
 gctggaggtc gggcccaggc tgaacttctc caccccaaca tccaccaaca tcgtgtcagt 420  
 gtgccgcgcc actgggctgg ggctgtgga tcgtgtggag accaccggc gctaccggct 480  
 ctggtttgcc cccccccgt cagctgaggt ggaagccatt gctctggcta ccctgcacga 540  
 ccgatgaca gaggcagct tccccatcc catccagagt ttctccctg agagcatgcc 600

ggaacccctc	aatggcccta	tcaatatact	gggtgagggc	cggcttgccg	tggagaaggc	660
caaccaggag	cttggctctg	ctttagactc	ttgggaccta	gacttctaca	ccaagcgctt	720
ccaggagcta	cagcggaaac	cgagcactgt	ggaggccttt	gacttgccgc	agtccaatag	780
cgagcacagc	cgacactggg	tcttcaaggg	ccagctccac	gtggatgggc	agaagctggg	840
gcactcactg	tttgagtcca	tcatgagcac	ccaggaatcc	tgaaccccca	acaacgtcct	900
caaattctgt	gataacagca	gtgcaatcca	gggaaaggaa	gtccgattcc	tacggcctga	960
ggacccca	cggccaagcc	gcttccagca	acagcaaggg	ctgagacatg	ttgtcttcac	1020
agcagagact	cacaactttc	ccacaggagt	atgccccctt	agtgggtgca	ccactggcac	1080
agggggccgg	attcgagatg	tccagtgcac	aggccgcggg	gcccacgtgg	tggctggcac	1140
tgccggctat	tgctttggaa	atctgcata	tccaggttac	aatctgccct	gggaggatct	1200
aagcttccag	tatcctggga	atcttgcctg	gccccctggg	gttgccattg	aagccagtaa	1260
tggagcttct	gactatggca	acaagtttgg	ggaaccagt	ctggctggct	tcgcccgtct	1320
cttgggcctc	cagctcccag	acggccagcg	gcgtgagtgg	atcaagccca	tcatgtttag	1380
tgggggcatt	gggtccatgg	aagctgacca	cataagcaag	gaggccccag	agccaggcat	1440
ggaagtgtga	aaggttggag	gtcccgctca	caggattgga	gttgagggtg	gagctgcttc	1500
atctgtgcag	gtgcagggag	ataacaccag	tgacctggac	tttggggctg	tgcagcgagg	1560
agaccgggag	atggaacaga	agatgaaccg	tgtgatcagg	gcttgtgtgg	aggcccccaa	1620
gggaaacccc	atctgcagcc	ttcatgatca	gggcgctggg	ggcaatggca	atgtcctaaa	1680
agagctgagt	gaccagctg	gagccatcat	ttacaccagc	cgcttccagc	ttggggaccc	1740
aacctgaat	gcccctggaa	tctggggggc	tgagtaccag	gaatcaaagt	ctcttctgct	1800
gaggtcccc	aaccgggact	tcctgactca	tgtcagtgcc	cgtgaacgtt	gcccggcttg	1860
cttcgtgggc	accatcactg	gagaccggag	aatagtgtct	gtggacgatc	gggagtgtcc	1920
tgtcagaaga	aatggccagg	gggatgcccc	ccgacacccc	ccgccaaccc	ctgtggacct	1980
ggagctcgaa	tgggtgctgg	gcaagatgcc	tcggaaggag	ttcttctctg	agaggaagcc	2040
ccccatgctg	cagcctctgg	ccttgcccc	agggtgagc	gtgcaccagg	ctctggagag	2100
ggttctgagg	ctgcccgcgg	tggccagcaa	gcgctacctc	accaataagg	tggaccgctc	2160
cgtgggaggc	ctgggtggcc	agcagcagt	cgtggggccc	ctgcaaactc	ctctggcaga	2220
tgtagcgggt	gtggcactga	gccatgagga	gctcataggg	gctgccacag	ccttgggaga	2280
acagccagtc	aagagcctgc	tggacccaaa	agtcgcccgc	cggctggccg	tggccgaagc	2340
cctcaccaac	ctgggtgttt	ctctggtcac	tgacctccgg	gatgtgaagt	gtagcgggaa	2400
ctggatgtgg	gcagccaagc	tcccagggga	gggcgcagct	ttggcggatg	cctgtgaggc	2460
tatgggtggca	gtgatggcag	ccctgggtgt	ggcagtggat	gggtggcaagg	actccctcag	2520
catggctgct	cgggttggca	ctgagaccgt	gcgggtcctc	gggtcactgg	tcatctcagc	2580
ctatgccgtc	tgcccagaca	tcacagccac	tgtgacccca	gacctcaagc	atcctgaagg	2640
gagaggccat	ctgctctatg	tggctctgag	ccctgggcag	caccggctcg	ggggcacagc	2700
tctggcccag	tgcttctccc	agcttgggga	acacctcca	gacctggacc	ttcctgagaa	2760
cttgggtgctg	gccttcagca	tactcaggg	gctgctgaaa	gaccgcctcc	tctgctcagg	2820
ccacgatgtc	agtacaggag	gcctcgtcac	atgcctgctg	gagatggcct	ttgctggaaa	2880
ttgcgggcta	caggtggatg	tgctgtccc	cagggttgat	gtcctgtctg	tgctgttcgc	2940
tgaggagcca	ggcctcgtgc	tggaggtgca	ggagccagac	ctggcccagg	tgctgaagcg	3000
ttaccgggat	gctggcctcc	attgcctgga	gctgggccac	acaggcgagg	ccgggccccca	3060
cgccatggtc	cgggtgtcag	tgaacggggc	tgtggttctg	gaggagcctg	ttggggagct	3120
gcgagccctc	tgggaggaga	cgagtttcca	gctggaccgg	ctacaggcag	agcctcgctg	3180
tgtggcagag	gaggaacggg	gcctgagggg	gcggatgggg	cccagctatt	gcctgcccc	3240
cacctttccc	aaagcctccg	tgccccgtga	gcctgggtgg	cccagcccc	gagtcgcat	3300
cttgcgagag	gagggcagta	atggagaccg	ggagatggcc	gatgccttcc	acttagctgg	3360
gtttgaggtg	tgggacgtga	ccatgcagga	cctctgctct	ggggcaattg	ggctggacac	3420
tttccgtggc	gtggccttcg	tgggcggcct	cagctatgca	gatgtcctgg	gctctgcca	3480



aggggtgggca	gctgctgtga	cctttcatcc	cagggtctggg	gctgagctga	ggcgcttccg	3540
gaagcggcca	gacaccttca	gcctgggcgt	gtgtaatggc	tgtcaactgc	tggctctgct	3600
cggctgggtg	ggaggcgacc	ccaatgagga	tgctgcagag	atgggacctg	actcccagcc	3660
agcccggcca	ggccttctgc	tacgccacaa	cctgtctggg	cgtacgagt	ctcgctgggc	3720
cagcgtgcgt	gtggggcctg	ggccagccct	gatgctgcga	gggatggagg	gcgccgtgct	3780
gcccgtgtgg	agtgcgcacg	gggaaggtta	cgtagcattt	tcttctccgg	aactccaagc	3840
tcagattgag	gccaggggct	tggctccact	gcactgggct	gatgatgacg	ggaaccccac	3900
agagcagtac	cctctgaatc	ccaatgggtc	cccagggggc	gtggctggca	tctgctcctg	3960
tgatggccgc	cacctggctg	tcatgcctca	ccctgagcgg	gccgttaggc	cttggcagtg	4020
ggcatggcga	ccccctccat	ttgatactct	gaccacctcc	ccctggctcc	agctctctat	4080
caatgcccga	aactggaccc	tggaagggag	ctgctgactg	gccacagggg	ctcacctggg	4140
ccccatggct	tttcacctaa	gtgggtcctg	ccccctcccc	catgaccttc	aggagcaccc	4200
catattattt	ccaaaaatat	cttggacaga	caaggaccaa	aatgccaaaa	tctcagcgga	4260
ctcgatgate	tgcttctga	tgttccctct	gtggctgtgt	ctattttcag	ttctgctcta	4320
acatggcatg	ccctttctca	gcccaggaaa	cagcatgtgg	ttcagagaaa	agagcgacaa	4380
ggaaaagtta	ggactcctga	ggtccgaaca	ggggcttctg	ttgccactt	cacaacaccc	4440
agtgatcacc	ggtgtgcaat	tgcctccttg	gctctgaggg	atgttttgcg	ctcccttttc	4500
tcatcattgg	ggttagcggg	tgcagacaaa	ttcagcaata	gtatgcagat	cagccctca	4560
ccacctcatt	gttctcatct	ggaactgaaa	ctttctggat	ttctcttgaa	gtgctacact	4620
gcactgaatg	taaggaattg	ttgcttgtgg	aagtttctca	gcgtttctgg	ctgtcttagg	4680
gctggcctca	gaaccagca	ttcctgttat	ttgcttctaa	attagcagct	ctcttttttt	4740
tttttttttt	gaggcagctc	cactctgtca	cccaggctgg	agtgcagtgg	cgtgatctcg	4800
gccactgca	acctctgct	cctgggttca	agcaattttc	ctgctcagc	ctcccagata	4860
gctgggagta	caggcacaca	ccaccacacc	cagctaattt	ttgtattttt	agtagagata	4920
gggtttcacc	gtgtctccca	ggctgggtct	aaactcctaa	cctcaagtga	ttcgctgccc	4980
tcggcctccc	aaagtgtctg	gattacaggt	gggagccact	acagctggcc	cagcagctct	5040
gtttctgata	gaggtgggtg	gggtctctcat	ccctagatcc	taacccttta	gtatgctgga	5100
attctactct	tcacttactg	cattgactgt	tgttgattag	ttattattgc	aaagcactgc	5160
caccggcctc	agggagttta	tgtgtaatag	aattaaaaat	aatagctgtg	tataacactt	5220
agctcaagcc	acgcatgtgt	gaggcatttg	gtatgtatct	gaattaattc	tcactaaaaat	5280
tcagcaaagg	acttgatagc	ctctccccgc	cttttcaata	aaggatgaat	gaagggttg	5338

```
<210> 1017
<211> 416
<212> DNA
<213> Homo sapiens
```

<400>	1017								
caatgggatt	tacagcaaca	ttttccattg	ctgaagtgag	gtagcagctc	tcttctgtca				60
gctgaatggt	aaggatggg	aaaaagaatg	cctttaagtt	tgctcttaat	cgtatggaag				120
cttgagctat	gtgttggaag	tgccctgggt	ttaatccata	cacaaagacg	gtacataaatc				180
ctacagggtt	aaatgtacat	aaaaatatag	tttggaattc	tttgctctac	tgtttacatt				240
gcagattgct	ataatttcaa	ggagtggagat	tataaataaa	atgatgcact	ttaggatggt				300
tcctattttt	gaaatctgaa	catgaatcat	tcacatgacc	aaaattgtgt	ttttttaaaa				360
atacatgtct	agtctgtcct	taatagctct	cttaaataag	ctatgatatt	aatcag				416

```
<210> 1018
<211> 212
<212> DNA
<213> Homo sapiens
```

<400> 1018  
cgggggttgac ggcttttttg taggagtgagg ctggaccgga cgccagagac aaaggctccc 60  
aaagcgaagag ggactgtggc cctgcgtcgg ctctgctcgg gactgctgac ccaggaatt 120



<221> misc feature  
<223> n=a,t,g or c

<400> 1022  
tcgatgccct tatttgtgag ttaaagagaa aatatcataa atggtatact cttaagtata 60  
gaggttttgt atctagagga tctcagttca actcctgtct ctccatatac cagcagtgtgta 120  
actgtgaata acatacttaa atggctgtgc ttatttcctt ttcttttctt ttttcttttt 180  
tttttttttt gagatgaagt tttgctcttg ttccccaggn ctggagtgtca atggcacgat 240  
ctcggttcac tgcaacctcc acctctcaga ttcaaggcaa ttctcctgcc tcagcctccc 300  
aagtaggctg gggattacag gtgcccacca ccaccnngg gctaaaattt gtatttttca 360  
gtaggagacg ggggtttncc ccatgttnng ttagggctcg ttntaggaac ctctggaccc 420  
caggtganc cca 433

<210> 1023  
<211> 3705  
<212> DNA  
<213> Homo sapiens

<400> 1023  
ggaattcccg gccgggcgca cccgcggggc cctgggctcg ctggcttgcg cgcagctgag 60  
cggggtgtag gttggaagg ccagggcccc tggggcgcaa gtgggggccc gcgccatgga 120  
acccccgacc gtccctcgg aaaggagcct gtctctgtca ctgcccgggc cccgggaggg 180  
ccaggccacc ctgaagcctc cccgcagca cctgtggcgg cagcctcgga ccccatccg 240  
tatccagcag cgcggctact ccgacagcgc ggagcgcgcc gagcgggagc ggcagccgca 300  
ccggcccata gagcgcgcc atgccatgga caccagcgac cggcccggcc tgcgcacgac 360  
ccgcatgtcc tggccctcgt ccttccatgg cactggcacc ggcagcggcg gcgcgggccc 420  
aggcagcagc aggcgcttcg aggcagagaa tgggcccaga ccatctcctg gccgcagccc 480  
cctggactcg caggcgagcc caggactcgt gctgcacgcc ggggcggcca ccagccagcg 540  
ccgggagtc ttcctgtacc gctcagacag cgactatgac atgtcaccca agaccatgtc 600  
ccggaactca tcgggtacca gcgagggcga cgctgaagac ctcatcgtaa caccatttgc 660  
tcagggtgctg gccagcctcc ggagcgtccg tagcaacttc tactcctga ccaatgtgcc 720  
cgttccagc aacaagcggc cccgcgtggg cggccccacc cctgtctgca aggccacgct 780  
gtcagaagaa acgtgtcagc agttggccc ggagactctg gaggagctgg actggtgtct 840  
ggagcagctg gagaccatgc agacctatcg ctctgtcagc gagatggcct cgcacaagtt 900  
caaaaggatg ttgaaccgtg agctcacaca cctgtcagaa atgagcaggt ccggaaacca 960  
ggtctcagag tacatttcca caacattcct ggacaaacag aatgaagtgg agatcccatc 1020  
accacagatg aaggaacgag aaaaacagca agcgcgcga ccaagacct cccagccgcc 1080  
ccgccccct gtaccacact tacagcccat gtcccaaact acagggttga aaaagttgat 1140  
gcatagtaac agcctgaaca actctaact tccccgattt ggggtgaaga ccgatcaaga 1200  
agagctcctg gcccaagaac tggagaacct gaacaagtgg ggcctgaaca tcttttgcgt 1260  
gtcggattac gctggaggcc gctcactcac ctgcatcatg tacatgatat tccaggagcg 1320  
ggacctgctg aagaaattcc gcatcccggg ggacacgatg gtgacataca tgctgacgct 1380  
ggaggatcac taccacgctg acgtggccta ccataacagc ctgcacgcag ctgacgtgct 1440  
gcagtccacc cagctactgc tggccacgcc tgcactagat gcagtgttca cggacctgga 1500  
gattctcgcc gccctcttcg cggctgccat ccacgatgtg gatcaccctg gggctccaa 1560  
ccagttcttc atcaacacca attcggagct ggcgctcatg tacaacgatg agtcgggtgct 1620  
cgagaatcac cacctggccg tgggcttcaa gctgctgcag gaggacaact gcgacatctt 1680  
ccagaacctc agcaagcgc agcggcagag cctacgcaag atggtcatcg acatggtgct 1740  
ggccacggac atgtccaagc acatgacct cctggctgac ctgaagacca tgggtggagac 1800  
caagaaagtg accagctcag gggctcctcct gctagataac tactccgacc gcatccaggt 1860  
cctccggaac atggtgcaact gtgcccagct cagcaacccc accaagccgc tggagctgta 1920  
ccgccagtgg acagaccgca tcatggccga gttcttccag caggggtgacc gagagcgcga 1980  
gcgtggcatg gaaatcagcc ccatgtgtga caagcacact gcctccgtgg agaagtctca 2040

ggtggggtttt	attgactaca	ttgtgcaccc	attgtgggag	acctgggcg	accttgtcca	2100
cccagatgcc	caggagatct	tggacacttt	ggaggacaac	cgggactggt	actacagcgc	2160
catccggcag	agcccatctc	cgccacccca	ggaggagtca	agggggccag	gccaccacc	2220
cctgcctgac	aagttccagt	ttgagctgac	gctggaggag	gaagaggagg	aagaaatatc	2280
aatggcccag	ataccgtgca	cagcccaaga	ggcattgact	gcgcagggat	tgtcaggagt	2340
cgaggaagct	ctggatgcaa	ccatagcctg	ggaggcatcc	ccggcccagg	agtcgttgga	2400
agttatggca	caggaagcat	ccctggaggc	cgagctggag	gcagtgtatt	tgacacagca	2460
ggcacagtcc	acaggcagtg	cacctgtggc	tccggatgag	ttctcgtccc	gggaggaatt	2520
cgtggttgct	gtaagccaca	gcagcccctc	tgccctggct	cttcaaagcc	cccttctccc	2580
tgcttgagg	accctgtctg	tttcagagca	tgcgccgggc	ctcccgggcc	tcccctccac	2640
ggcggccgag	gtggaggccc	aacgagagca	ccaggctgcc	aagagggctt	gcagtgcctg	2700
cgcagggaca	tttggggagg	acacatccgc	actcccagct	cctggtggcg	gggggtcagg	2760
tggagaccct	acctgatccc	cagacctctg	tccctgttcc	cctccactcc	tcccctcact	2820
cccctgctcc	cccgaccacc	tctcctctg	cctcaaagac	tcttgtctc	ttgtccctcc	2880
tgagaaaaaa	gaaaacgaaa	agtggggttt	ttttctgttt	tctttttttc	ccctttcccc	2940
ctgcccccac	ccacggggcc	tttttttgga	ggtgggggct	ggggaatgag	gggctgaggt	3000
cccggaagga	ttttattttt	ttgaatttta	attgtaacat	ttttagaaaa	agaacaaaaa	3060
aagaaaaaaa	aaagaaagaa	acacagcaac	tgtagatgct	cctgttcctg	gttcccgcct	3120
tccacttcca	aatccctccc	ctcaccttcc	cccactgcc	cccaagttcc	aggctcagtc	3180
ttccagccgc	ctggggagtc	tctacctggg	cccaagcagg	tgtggggcct	ccttctgggc	3240
ttttcttctg	aatttagagg	atttctagaa	cgtggtcagg	aatagccatt	ctaggcgggg	3300
ctggggccag	ggtggggggc	agtcactgtg	ggagggtcca	gctccagccc	ccctctggtt	3360
tgctgcctcc	tctccctct	aaaaaagtct	tccgcttgat	tttgacaaat	cccggcgata	3420
ctcctggcga	tactgactag	aagtcagggg	gctggggggg	ctgttcactt	taggatacgg	3480
ggggatggaa	gggagcggtc	acaccgccag	cctcgggcct	gggatttgag	gagggcccta	3540
gacctcctcc	actctccatc	ccctttccct	tccactttgg	gttcactttg	aattttctcc	3600
gttttttg	gcagtggctc	tgatccactc	acccccccgc	cccgtaagtt	atagccactg	3660
tggaaaqtaq	tatgaaaqtt	cctcaaqa	ctaaaaatgg	aattc		3705

```
<210> 1024
<211> 383
<212> DNA
<213> Homo sapiens
```

<400>	1024						
tgcttccct	tcaatttta	actgaagcat	tttaatgtgg	gtagaaactc	tacaccaaat		60
acactaaaca	ttttggtgct	tagtggattt	cttttttaggt	aactggtact	tacttccaaa		120
gactgaatac	aagccacact	ccatcatatc	ccttaaactt	catgaaaaac	cattcaagat		180
ccccttgctg	caacactggt	ctcttcttct	ctactaaatt	ctatttccaa	aattggtaat		240
agagccagaa	ggatcccca	gtaccagcc	ctctgctgg	nacaaactgg	gtagcacaat		300
taaattcagt	atgggggtgga	gcatggtaca	gtcttgggtg	gccaatagga	aggggtagtt		360
ggcataggtc	acaccatnca	ttt					383

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

cacgagctgc	tatgaagaca	tacttgagac	tcggtaat	atatagaaaa	gaggtttaat	60
tgacaaaaaa	gctaacaaag	tgagcccatg	attcaaaaat	gactgtctac	acttggcaca	120
tgagggactt	tatgatatta	agagattaat	taaacaacag	tggatgggga	ggaagaacag	180
acttttgagc	tcttcccaat	ataggaatgt	gttagttcta	aaaattttct	taagttgttt	240
gcttggaact	cagagtntat	ttatccatac	gaaaaattca	gaactatttn	atztatgata	300
tgggctaaaa	agacttctgt	aatctagctt	gggaaactta	ataatcatta	aacttatttt	360
caatgaaaaa	aaaaa					375

<210> 1026  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1026	tattttaaagg	gatagttgat	tcctgggggtg	ttttgaaatt	aagttggaat	taagttgctt	60
	aagcatat	atgttgtag	aaacccttaa	tatgaggtt	atcatgccat	ttttcaagca	120
	gatttatgag	cagatttctg	tcacataagt	cgtcttctgc	ttgagtatcc	taatatattca	180
	atgcatcagg	ggagcgcctc	actggataag	cattttat	cccgcattggc	ataatgtttt	240
	tgcacctaaa	aggctcaaag	tgtgagaacc	tggttcctgg	atttgtttga	aattntttca	300
	ccaataaaa	atcataa	aatggtttc	tttcangaa			339

<210> 1027  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 1027	ggggcatggc	taacacctcc	ctgggcctct	tcttctacc	ttgattgagg	gtgtgatgcc	60
	tggagccaca	gcagccactt	tgctaccatg	acaaaaaggc	caagagaatc	acagagtc	120
	tgaccctatc	attatttcac	caagccaata	ccagccgcc	tccttctcca	gaattcttgt	180
	aaataaaa	aatccctctt	tgtttaaaa	aaaaaaaa	aa		222

<210> 1028  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1028	nggcttcaac	aaacaggccc	cttctttcca	taccaccaca	gtcacctgac	caaataaacg	60
	gagaaagctt	ccagaacgtg	agcaaaaatg	ctagttctgc	agcgaatgcc	caacctcata	120
	aactgtctga	aaccccgagg	cactaaagca	gagtttcac	cctgtcttta	aactgggggt	180
	atgtccactc	taggcaagta	aaaaaactac	tgttacacgt	tccagtaact	ctgtcaatat	240
	tttcttgtat	caggaattgt	tattatggca	gcctttcatt	tggggctggg	ttttcatcat	300
	ttttgcactg	tggaantggc	ttttacagt	gcattactta	caggccagga	aggaacata	359

<210> 1029  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1029	gagaagagga	tctggctgct	ctgtttgaag	cttcaatgaa	actgtattaa	ttgtcatttt	60
	aactgaaaga	attaccgctg	gccattgtag	tgctgagagc	aagagctgat	ctagctaggg	120
	ctttgtcttt	tcattctt	gcataactta	cctgttacca	gtatagggtg	gatatacatt	180



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1033  
 cagacaatga ggatgaagat gaagatgtca aagctgaaag actaaaggctc aaagagctga 60  
 tgggttgcca gtgttgtag gagaaacccat ccattatggt cagcaatttg cataaagaat 120  
 atgatgacaa gaaagatttt cttctttcaa gaaaagtaaa gagagtggca actaaataca 180  
 tctctttctg tgtgaaaaaa ggagagatct taggactatt gggctccaaat ggtgctggca 240  
 aaagcacaat tattaatatt ctggtagtg atattgaacc agcttcaggc caggtatttt 300  
 taggagatta ttcttcagag acaagtgaag atgatgattc actgaagtgt atgggttact 360  
 gtcctcagat aaaccctttg tggccagata ctacattgca ggaacatttt gaaatttatg 420  
 gagctgtcaa aggaatgagt gcaagtgaca tgaaagaagt cataagtcga ataacacatg 480  
 cacttgattt aaaagaacat cttcagaaga ctgtaaagaa actacctgcn aggaatcaaa 540  
 cgaaagtgtg ttttgctcta agtatgctag ggaatcctca gattactttg ctagatgaac 600  
 catctacagg tctggatccc aaatgccaaa catgcacatg tggcatgcaa ttcgaactgc 660  
 atnnaagcgg gctgctattc tgaccactca ctatatggag gaggcagagg ctgtctgtga 720  
 tcgagtagct atcatgggtg ctgggcagtt aagatgtatc ggaacagtac aacatctaaa 780  
 gagtaaattt ggaaaagnac tttttggaaa ttaaattgaa cggactggat agaaaaccta 840  
 gaagctagac cgccttcaaa gagaaattca gtatattttc ccaaagcaa gccgtcagaa 900  
 agtttttctt ctattttggc ttctaaaatt aataaggaag atgttcagtc cttttcccaa 960  
 tcttttttta agctggaaga agctaaacat gctttgccat tgaagaatat agctttctca 1020  
 agcaacattg gaacagggtt ttgtagaact cactaaagaa caagaggagg aagataatag 1080  
 ttgtggaact ttaaacagca cactttggtg gaacgaacac aagaagatag agtagtattt 1140  
 tgaatttgta ttgttcggtc tgcttactgg gacttctttc tttttcactt aattttaact 1200  
 ttggtttaaa aagtttttta ttggaatggt aactggagaa ccaagaacgc acttgaaatt 1260  
 tttctaagct ctttaattga aatgctgtgg ttgtgtgtt tgcttttctt taaataaaac 1320  
 gtatgtataa ttaagtgaaa aaaaaa 1346

<210> 1034  
 <211> 3282  
 <212> DNA  
 <213> Homo sapiens

<400> 1034  
 gggacagggc tgaggatgag gagaaccctg gggaccaga agaccgtgcc ttgcccggaa 60  
 gtctgctg taggcctgaa ggacttgccc taacagagcc tcaacaacta cctggtgatt 120  
 cctacttcag ccccttggtg tgagcagctt ctcaacatga actacagcct ccacttggcc 180  
 ttctgtgtgc tgagtctctt cactgagagg atgtgcatcc aggggagtca gttcaacgtc 240  
 gaggtcggca gaagtgacaa gctttccctg cctggctttg agaacctcac agcaggatat 300  
 aacaaatttc tcaggcccaa ttttggtgga gaaccgtac agatagcgt gactctggac 360  
 attgcaagta tctctagcat ttcagagagt aacatggact acacagccac catatacctc 420  
 cgacagcgt ggatggacca gcggtggtg tttgaaggca acaagagctt cactctggat 480  
 gccgcctcg tggagttcct ctgggtgcca gatacttaca ttgtggagtc caagaagtcc 540  
 ttctccatg aagtcactgt gggaaacagg ctcatccgcc tcttctcaa tggcacggtc 600  
 ctgtatgcc tcagaatcac gacaactgtt gcatgtaaca tggatctgtc taaatacccc 660  
 atggacacac agacatgcaa gttgcagctg gaaagctggg gctatgatgg aaatgatgtg 720  
 gagttcacct ggctgagagg gaacgactct gtgctggac tggaaacacct gcggcttgct 780  
 cagtacacca tagagcggt tttcacctta gtcaccagat cgcagcagga gacaggaaat 840  
 tacactagat tggctttaca gtttgagctt cggaggaatg ttctgtattt cattttggaa 900  
 acctacgttc ctccacttt cctgggtggtg ttgtcctggg tttcattttg gatctctctc 960  
 gattcagtc ctgcaagaac ctgcattgga gtgacgaccg tgttatcaat gaccacactg 1020  
 atgatcgggt cccgcacttc tcttcccaac accaactgct tcatcaaggc catcgatgtg 1080







tcgagcggcc	acccgggag	gtctctgggt	gaatagcagc	gtgtccgccc	gcagcgaacc	60
gagaccagcg	agccgacat	gcggtctgcac	agacttcgtg	cgcggtctgag	cgcggtggcc	120
tgtgggcttc	tgctgcttct	tgtccggggc	cagggccagg	actcagccag	tcccatccgg	180
accacacaca	cggggcaggt	gctggggagt	cttgtccatg	tgaaggcgcg	caatgccggg	240
gtccaaacct	tccctgggaat	tccatttgcc	aagccacctc	taggtccgct	gcgatttgca	300
ccccctgagc	ccccctgaatc	ttggagtggg	gtgagggatg	gaaccaccca	tccggccatg	360
tgtctacagg	acctcaccgc	agtggagtca	gagtttctta	gccagttcaa	catgaccttc	420
ccttccgact	ccatgtctga	ggactgcctg	tacctcagca	tctacacgcc	ggcccatagc	480
catgaaggct	ctaacctgcc	ggtgatgggtg	tggatccacg	gtggtgcgct	tgtttttggc	540
atggcttcct	tgtatgatgg	ttccatgctg	gctgccttgg	agaacgtggg	ggtggtcatc	600
atccagtacc	gcctgggtgt	cctgggcttc	ttcagcactg	gagacaagca	cgcaaccggc	660
aactggggct	acctggacca	agtggctgca	ctacgctggg	tccagcagaa	tatcgcccac	720
tttggaggca	acctgaccg	tgtcaccatt	tttggcgagt	ctgcgggtgg	cacgagtgtg	780
tcttcgcttg	ttgtgtcccc	catatcccaa	ggactcttcc	acggagccat	catggagagt	840
ggcgtggccc	tccctgcccgg	cctcattgcc	agctcagctg	atgtcatctc	cacggtgggtg	900
gccaacctgt	ctgcctgtga	ccaagttgac	tctgaggccc	tgggtgggctg	cctgcggggc	960
aagagtaaag	aggagattct	tgcaattaac	aagcctttca	agatgatccc	cggagtgggtg	1020
gatggggctc	tccctgcccag	gcacccccag	gagctgctgg	cctctgccga	ctttcagcct	1080
gtccctagca	ttgttggtgt	caacaacaat	gaattcggct	ggctcatccc	caaggctcatg	1140
aggatctatg	ataccagaa	ggaaatggac	agagaggcct	cccaggctgc	tctgcagaaa	1200
atgttaacgc	tgctgatgtt	gcctcctaca	tttggtgacc	tgctgagggg	ggagtacatt	1260
ggggacaatg	gggatcccca	gaccctccaa	gcgcagttcc	aggagatgat	ggcggactcc	1320
atgtttgtga	tccctgcact	ccaagtagca	cattttcagt	gttcccgggc	ccctgtgtac	1380
ttctacgagt	tccagcatca	gcccagctgg	ctcaagaaca	tcaggccacc	gcacatgaag	1440
gcagaccatg	gtgatgagct	tccctttgtt	ttcagaagtt	tctttggggg	caactacatt	1500
aaattcactg	aggaagagga	gcagctaagc	aggaagatga	tgaagtactg	ggccaacttt	1560
gcgagaaatg	ggaaccccaa	tggcgagggt	ctgccacact	ggccgctgtt	cgaccaggag	1620
gagcaatacc	tgagctgaa	cctacagcct	gcgggtgggc	gggctctgaa	ggcccacagg	1680
ctccagttct	ggaagaaggc	gctgccccaa	aagatccagg	agctcgagga	gcctgaagag	1740
agacacacag	agctgtagct	ccctgtgccg	gggaggaggg	ggtgggttcg	ctgacaggcg	1800
agggtcagcc	tgctgtgccc	acacacaccc	actaaggaga	aagaagttga	ttccttcatt	1860
cacttcgcca	ttcattcata	cttcctgcca	gaagttgatt	ccttcattca	cttcgccatt	1920
cattcatact	tccgtccatc	cattcagaaa	ccggyattta	ttaagaattt	actcaggcat	1980
gatggcccat	acttgtaatc	ccagctattg	ggaaggatga	gatgggagga	tggcttgagg	2040
ccagagggtt	gagaccgacc	agccagggca	acacagttag	accccttctc	aaaaaaaaaa	2100
aaaaaaaaaag	agagagtgtg	tgattagaag	ctaaatagga	aagttttgag	cttcaagtca	2160
gtgaggagta	aaaaagattt	ttaaaaagca	a			2191

<210> 1039  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1039	tctggaaaaa	acacgcttta	ttgggtagac	aaataggcct	gatgggaagg	cctgagtcac	60
	agtgcactgg	ggagtgaata	agtaggcaaa	gtgcttgaag	cttccccttt	gccccacct	120
	taacctcctg	gggagcagct	ctggacactc	agtaccagga	cctgggctca	gcaaggcctg	180
	gggtgactgt	gccccctact	cctgctgcct	gatctgggca	gcccaccctt	cactggtaag	240
	acagaattct	caagggatag	gcgca				265

<210> 1040  
 <211> 403  
 <212> DNA











<212>	DNA	
<213>	Homo sapiens	
<400>	1062	
ttttttttttt	ttttgcaaca gagcagaaag gatgctttat ttgcaaaaaga gtggtgaaca	60
tctaaaaagt	tgacattgta tatgattaca aagtaaagag tactcttggt agagaagtta	120
catgttcatt	gttaaggaaa ttatatgtaa atcacaaaga tcatgggtctg tgaataatgt	180
gccatatctc	acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca	240
gtttccattc	tccaccctct gccttaagat acgaagcctt gacatgacca catcccagtc	300
agcataagct	ccttc	315
<210>	1063	
<211>	495	
<212>	DNA	
<213>	Homo sapiens	
<400>	1063	
gcggcgcgga	cctcaaccga agctttcccg accagtttag caccggcgaa cccccgccc	60
tggacgaggt	gcccgaggtg cgcgccctca tcgagtggat ccgcagaaca agtttgtgct	120
ttctggaaat	ctgcatgggt gctcagtggt agcaagctat ccttttgatg attctccaga	180
acataaggcc	actggaatct atagcaaaac ctcatgatgat gaagtattta aatacttgtc	240
aaaagcttat	gcttcaaacc accccataat gaaaactggg gagcctcatt gtccaggaga	300
tgaagacgag	actttcaaag atggaatcac aaacggcgca cattgggtatg atgtggaagg	360
tggtatgcaa	gattacaatt atgtgtgggc caactgtttt gagatcacat tagaactgtc	420
ttgttgcaag	taccacctg cttcacagct tcgacaggaa tgggagaaca atcgtgagtc	480
tttgatcaca	ttgat	495
<210>	1064	
<211>	225	
<212>	DNA	
<213>	Homo sapiens	
<400>	1064	
ttttttttttt	ttttaggagg agaaagacca tttattttctc caccacaggt gggactgtgt	60
aggttttgaa	aagagcaatc gctggcatcc ctttaaattct tggctgactc ccaccgtggc	120
agccaatcag	cagaggcgga ctggctgagt tgacctgggca caggcccctg gttggccgaa	180
gacaattagc	cacccactg cccactccca acgaaaggga aattg	225
<210>	1065	
<211>	288	
<212>	DNA	
<213>	Homo sapiens	
<400>	1065	
tttcatgctt	tttatttttc ggtttattta atcttcttta acacagccat tgttggttca	60
acaatccaat	atttgagggt acattattgc aaaaataagg acatagctga atagggttatg	120
ccatcaatat	gtttgttaat cctatccctt ttattaaaga caaagcacag tttgttaata	180
ttgtcttgga	ttaactctat ttgtaagggt acttatagtg gttcatacta aaggcagggg	240
atttgcttcc	tgggccaatt gtcttttaac tataatttaa gaaatcat	288
<210>	1066	
<211>	464	
<212>	DNA	
<213>	Homo sapiens	
<400>	1066	
tttattggac	tgtaggtttt tattaaaaca aacattttctc atagctctaa gcaaagcatt	60
agaattcatc	aagcggactc acatcttttc tctgcacaga gagggtgaa aaggggagaga	120
aagtccctta	tgtatgteta gatttggtaa agcgaaggat ttcagcgaat gagtacttga	180
ggctatacac	gtttgcaaat tgtaaggcac tggcggggcag agagcacaga taaaggactt	240
ctgggggtcc	ccatcctgtc cagcaacctc ccagctcaca ccttagcttc taccaagaag	300
ggtgaacaca	gcacccctgc tatcttcaat cagaccccag aagacacagg aaaccgcaca	360
gctccactcc	caccataact tattaggaga taagtcacat tttatcaact tgccatcgcg	420
cctcctatag	attatacttc qgtaaaccca atctgtataa attc	464



Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

```
<210> 1068
<211> 308
<212> DNA
<213> Homo sapiens
```

```
<210> 1069
<211> 304
<212> DNA
<213> Homo sapiens
```

```
<210> 1070
<211> 325
<212> DNA
<213> Homo sapiens
```

```
<210> 1071
<211> 212
<212> DNA
<213> Homo sapiens
```

$\langle 210 \rangle$	1072
$\langle 211 \rangle$	308

```

<212> DNA
<213> Homo sapiens

<400> 1072
cttaattttt tctcttcttt tctttttctt tttttttctg tactcatcag aatgggatac 60
tccacaactg tctcaccaac tcagtgccag tacacatgct ctagaggact tctggactcg 120
cagctacaac tgtacaagtg cacacaagtg aatctaccct gttatcctcc acccactgat 180
tgaggatcga attgcacatt tctcttaacc atgacaggag aaagcaaaca gtgaaacaga 240
atcatgggtg atctttctca ctttcctctt tgttttcatt ggtttgtcca taccattcta 300
attatcat 308

<210> 1073
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1073
aaagtcgtga gtttattgca tatgtaacaa aatgaacctg acctcctggg cccagcctgc 60
tgtacaatca ctgtttgttt tgtgtttcca gctggttcca taaccacatt aaatagaact 120
agtatttcat taaatacttt tgattttgac atagaacatt agtgtacaac tttcacaaaa 180
taaatcagtg ataaaaacag tgggaaggat aacaaggata gcagcaatac ttcaaaacaa 240
gacattacaa aataaattaa aaaata 266

<210> 1074
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1074
ccaactcagc agctctatth acataacagc gtcgcccaca ccccgtaggg cctctnacgg 60
cttcttggtt ttcttcacgg aagatgagct ggaggccgac tcccgtagct ttctcgaatt 120
gggcgtgagg ggtgcgccc aacatcaat gatggtgtcc ttggggtagc gaccaagtcc 180
gggttcagtc actgccggct cagcagaggc cgggcctggg cctgatgctg gtgtggcagg 240
gccccctagc acaccagccc gggccagtgc ctcatgacgg tgccgcagca tctgcagctc 300
atactgcgag ttg 313

<210> 1075
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1075
aaagaacaca tttgctgttt ttattggtgc cttgcatggc agtaatactg aaaanggaga 60
atgcaaaaaa ataaaataaa ataaacaaaa aacaaaaacg aaaaacaggt tggtaggaac 120
ccacatcttt tttttaagag cacataaact cctgttttat ttttattgtg gcatgaatga 180
taacataaaa ccaaaancat gaaaatatac aacttatatt acactatgt 229

<210> 1076
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1076
gcgaatctgt tgatttatth acggctcggg gagacgacgc tggacgctgg ttagggtaag 60
ggtaggggca agcattagca gcaggggcat ggccctggga agcacctgga cccagaaca 120
taagacagga qggagagatg ccatccattc agcggggcact tatgcccacg accagctgag 180

```



```

<400> 1081
aagatattttt actttttttnc tttaatcagc acattttcttt tgataaatag tcatgagacg      60
tgttctgtga gtcactacaa ttctcacttg gcacttgga cagtcgtgtt atatagggtt      120
accataactc tcagaacagg agtatattac aaacaagtgg agtagaacat agagaataca      180
taatttggtc taatattcct cttccttaga gccttcaaac ttaaaccaag ttgaaaaaaa      240
aagtttccca aattgaaaac attgcctatg gattatctac agaagagagg aaaataagca      300
accattttga ttccacaaac caagc                                           325

```

```

<210> 1082
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1082
gaccacatca ctgctcagcn antcngccac ggctgcctga atggccccag ctcggccctg      60
caggggagac gactgcatgc cagtgcatt gacatcgtgg taggcttcaa gccaagcctc      120
agtgcacaga aggtcatgtt ctgttaccag gaagacgata tctttggccc aataaatctg      180
cccccggaag tgggcagcca gtgccagcag cagccccaca gcctgggctg ttgggtagag      240
tcagagccac agggcacggg tgaggcacia gcgccttcgt gccgaattct tgggccttga      300
ggggcaaatt tccctattag gtgagtcgta tttaaattcg taatcatgtt cataggntgt      360
tttctgttg tggaaattgt ttatnccgct tnacaatttt ccacaacaac attacggagg      420
ccggaaggct taaagtgtta                                           440

```

```

<210> 1083
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1083
ttttttttga atacatacca tactttnta accaagacaa ttcagctgtt tttccagagt      60
atatttcaaa cagagttggc atataacccg tatgtaacaa tattgctgtg attttagtca      120
tatttaaggg tccaaaatat gttcacaaaa gaacagtttg tgaatgtcaa ccagtttttg      180
ctttatattc cttcaaaaac attccaccct gggcatncac actaatctac atcactgaaa      240
ataacaaaaa taattcacag tctcacctct atgtaaaaat tctaattgac tcaacaggga      300
aaggactgcc ctgctccttt tgagg                                           325

```

```

<210> 1084
<211> 188
<212> DNA
<213> Homo sapiens

```

```

<400> 1084
tttttttttg tatttcaagt ttaaacattt tatttaciaa aataggctgg gagggaaaagg      60
gtttgcgcc ccacattctc tcttgggacc taacgatttt gcgccatttt ctaatgttgt      120
tttctctaac aattttcaaa gtcacatttg gattccttca gaattgtatt tgtcagctag      180
cagctcgg                                           188

```

```

<210> 1085
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1085
aatgagggna agggaggcaa actggactag aggggctagg agggaggcaat gctgggaacc      60

```



<211> 332  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1089  
 nctatttttta ttcttttttc ttgcttaatt tagggtagtg ttgggataga agatacactt 60  
 tataaaaagc agaaagacca atcattgagt tatttttagag acaatatgcc agatccatac 120  
 cttagatttt aatcttacct ttttttttag tttctcttca ttcaagccga ggtagaaagc 180  
 cagtgggtgga aagctgtggn attgcatagg ctacaaacat tgtattgtca acttgaaagt 240  
 atagctactt ctaaggatgt tgatgttcat tgtaggtttt ttatttatag gtaggctaaa 300  
 attaggaagg caacttaaag gcttcccaaa aa 332

<210> 1090  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1090  
 cattgtcata tgtctctgta atgggggtggt gggacacata gtgtctaaca cttcagtttc 60  
 tctgtgctt cctcccatt gagaagccag tgacagggtt gctgtgaaga tgggagagct 120  
 tctgaacca cctcattaaa ggatgagaaa cccagggtcc gagagcaaag ggacttgacg 180  
 gtggccgcaa gtgcttcaaa ggcagagctg ggattggaac ccagggtgtc atctcgatgg 240  
 gaatgtccag cagtgatgtc caagtgggaa gtgaagacct gaaggctcaa gggacacagg 300  
 tggctgacag tgggtcaaagg ctagggggca ggattcaggc agaggagctc ttaggggggt 360  
 tttttgccac cctgtntgaa ctcccgagac tntaccag 398

<210> 1091  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 1091  
 gaaacaatct gggatttaca ggaatctact ttgtcaactg taaatttatg aaatctaaat 60  
 acagatcaag tatttctgat gaaaacgtat gaactgagat atgctgttaa atgtaaagta 120  
 cacaggattt tggaaatgta gtacaaaaag aatgtgaaaa ccacaaattt taaaatactg 180  
 attacacact gatacaatat tttagatata atgggggttaa ataaaatata ttaataaaaa 240  
 a 241

<210> 1092  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1092  
 tttttttttt tggcgttttt atctttttgt attaaaaaag tagtaacaga cacaaatatt 60  
 aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
 gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
 aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 1093  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

```

<400> 1093
anaattcaaa cttttatttg gcaataagtt cagagtcaca taacacataa aatcaacatt      60
taaaataaat agcaaattca catctagaat aaataggtct gcctaatttg cattaattgt      120
gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag      180
tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc      240
cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcataggac agtgctgtgg      300
gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa      360
tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc      420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa      469

```

```

<210> 1094
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1094
agacgggctt ggtgaccggg acccggactc tgtgtctcagg atcctcctct gtaggttggg      60
gtgatggggg aggcctttttg gggacaaccc tctttttctt gtgtctcttc accagctctg      120
gactctgttt ttctccagt cttttgatga gtttggttag agtggatgtg agagccagca      180
ttgcccgatc ccgctctgac tccttcttca gcccatctgg gtccagctct ttctctgtct      240
ccgaacggag ccggtctcgg tctgacggaa gcaggatccc ttccagttcc ttctcaaatt      300
ctcccagtaa ctgccgttca tcctcatctt catcctcctc ctcctcctca tcctcctctt      360
cttccatctc tctctggccg ttctggatca accctttcct tctnccgggt ncctctgaag      420
gaattctgga aggaataatc caaagggtgg tctt      454

```

```

<210> 1095
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1095
taacataaag catttgttta ttattgctat actcaaggca aaatctctta attagccttg      60
ataatggaag tataaccaga accattatct atgaatttac attttggttct tttctgctgt      120
tgagacttca ctgtttcaca cacaccatct accccaagac ctttaataata caagaacaag      180
aagaattaac ttgaaagtca caaagcatgg cttgaccact tgccatagttc ctgactttag      240
gccaatcact tcccctctct gaacctgttt catcctgtgt taaaaaagaa atgggagagg      300
aagaggagag gatagaataa acctacaact gagataacac aggtgataac tgaaagaaca      360
tgaatgaaat ttcactgtga ataaaaaata ttatataana taaagtatca ctaataacaa      420
ataggggttg tggagggtaa aacagtctat ggttccctggg aagcctggca tgacagtagc      480
caagatctaa atcctggggg caggac      506

```

```

<210> 1096
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1096
catggtacaa aaatgtttat ttaaattaaa tatttgcaac aaattaatat tgacaactgt      60
tccaaagtat gagttgttct ttcaaaaaaa cgaaacagtt tagcttaatg tctgtgatac      120
tgttttatga gattattcat acatgctctg gactgcgcac cagtcaatca tatcatcaac      180
aatttactat ttattaccaa atggcatata aagtaatagc ataaagagta atcatacctt      240

```





```
gtcaactttt ctcattcaaa aaaaccctta tttttatacc taattttaat taaaaatttt 240
tcagtttgta ttaaagagga ctccccaat tatatgagtt tccaacttca taaaacctaa 300
atctgtcttt gttcatatca gataaaaaata ggccacacag actgccaagt aggtacagtc 360
ttggaactgt ctgtgggtgt ggacccaagg ttcacttggg ctctctccat gggacttac 420
tggccaagc caaagctg 438
```

```
<210> 1101
<211> 230
<212> DNA
<213> Homo sapiens
```

```
<400> 1101
cagtaaaaac tctttattca ttccttcatg tgacagttgg ccttgagtag ttacaaagac 60
agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgct 120
ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag gggggtgctg 180
caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230
```

```
<210> 1102
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<400> 1102
tttgaaattc caattgtaaa tggttctctt tgaaatactc agttttacat aaatgcttat 60
ccagcagcac gtcataaacc acagggccaa aacaatttct tgtcacgtaa acatggcggt 120
ggtagctaaa actcaaattt agcaacaaat aattgttttc ataggactca taagataacc 180
ttaaattggt agatgctttt agggcattgg ctaattcaga attggctggg attataacag 240
aacttaattt ttgcaggcat ttaaagattt tcacgcatta tgtacctgaa ggttttgtct 300
cttaattttc tttgaaccac acctcttctc cttat 335
```

```
<210> 1103
<211> 425
<212> DNA
<213> Homo sapiens
```

```
<400> 1103
catcataaaa aaccaaaga aatttttata tctcaaattg gtaaacttta caaatatttt 60
aacatatgag gaagaggtat atcttacaga attatttggc tatgtcataa ggcagtaatg 120
aagatggaat ttttctatc ataaatctga cataagtga agtctataac atggtcattc 180
tcataaaatc tgaaagcttg ttgggttacag caatatgatc atgccacact gtcgtcgtta 240
ttgaactttg atgaaagtag actgaatgag aaaggaacaa atttgggtgcc tgcacaaccg 300
tagaatttgt tctgaaattc taccagtg aggcgtatgg cgtgaagaaa cgcagaaagc 360
ccttccatga tcagaaggat gaaaatggc aaaactgcaa agagcgcgat aaccgggagc 420
agtag 425
```

```
<210> 1104
<211> 440
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1104
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgaggttac atgaggactg 60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctgagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggg ccgtgggtgtg 300
gactctccaa aatgcagacc caaccggang ccggggccgc ctttccatct ggaggcactg 360
cagggttctt gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgcgcagcc ccggggcttt 440
```

1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2

```
<210> 1106
<211> 529
<212> DNA
<213> Homo sapiens
```

<400>	1106						
tttttttgact	agaaagggag	cactttaatg	aacagaagta	cagacgtgct	ggcaaggatg		60
gaaatctcca	ctgggttcctg	gcccccttca	cctccatgca	tccccagcat	gggtgttaat		120
cattacccaa	gctctcgctg	ttccccctca	ccccctgcag	agtccagcag	gtctagatac		180
gtgctctttg	aaatgtgttc	tgggattaaa	aatggtgccc	tgaggctgtc	taaccctcac		240
aaaagacaga	cacatgcaca	cacgggcctt	ggggagggct	gtgtattagc	agtcagggtgg		300
gccctcctgg	gagagcttgc	tcaagaactc	ttctcggaag	gaaaccacc	ttaaggtagg		360
gttctgatag	gcagantccc	agagggacag	ccagctgcta	gaagatgggg	ttatccaggg		420
tttgtaaggt	ttaaacaacg	ggcaggggagn	caaacgagtc	aaatgggttc	ctcgtgcgaa		480
ttttggctcg	agqcaaattc	ctataqtqag	nqtattaaat	cqtaacatg			529

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<210> 1108
<211> 381
<212> DNA
<213> Homo sapiens
```

<400> 1108  
tactgaaata cacagattca cttcaqctca qcqtttactq aqcatctgcc atagggcact 60



cagtagcctt cccttctatt cccttttttaa tcacccaccc cttecccagg ggttatccct 240  
 acctcctgga caaaaaggat tgggggtttg ccctctcttt ggtactttta ataaatgggg 300  
 gatccataaa ttatgggggc ctcttttttg catgggggct tcctttggac tccaaantta 360  
 tgggttnccg ggggactcc 379

<210> 1113  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1113  
 tttttttttt aacaagtgc tagtggttaa tctcagaaac atttgcattc agagtacgtt 60  
 cccttagaat tttctcctct ccactccatg aggagtgggc atgtgcttta ttatatcaac 120  
 aagactaaga agccgcaccc gagtgggtccc actcaaaaaa gagatttctg tttctacctc 180  
 aaaatgcaga aaccactaca gattaaaaga gaaacacaca cagacacttt gagaaactcg 240  
 cccttctca ttttcaaagt gtgggggtat gcattccaga tctctcagcc tgatgggaca 300  
 gcttgggaag tgggaagg 319

<210> 1114  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1114  
 tttttttttt aagtatatca acaaagtga agatggggtt aatttttccc acaaaaagtt 60  
 aaaagaaata acagcagttt tagaggaaga nggaaaaaat aataagaaaa ttacatgcag 120  
 ttgcaaaatg tgtgactatt tacaaactct aacatataac tacaaaacgg accagaagaa 180  
 tcattatcat aggaagcaaa gggtcatttc aaaantcaga ggagggatga ttcataattta 240  
 atttaattct gtgggaaaac atttaagtaa cttttgagga caaaantagg tgatatgttg 300  
 aaatgcggga aaccacagt ggaaggga aaga 334

<210> 1115  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1115  
 tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt tacccaaaaa 60  
 gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tgttatatca 120  
 gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180  
 acaacacttt ctctccact cagatgggag cctcagnatg ccaaaacggc aggatgtgcc 240  
 aactaactat agggctcgtt gctaaggcag gaggaaatct attcaagttt gtccaggcaa 300  
 attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360  
 ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420  
 agggcaaggg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480  
 naaaaattgn caaatt 496

<210> 1116  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1116  
 tttttttttt tttttttttt tttttttttt tatgtgttta tactcaattc ataaatggac 60

tgtcttacaa	taaaggngat	aaaaaatctc	tgttccttcc	tttttgcttt	tcacactttt	120
ttccccata	aaaaccct	gcagtcata	tcagtagtta	ggggtggggg	ttgggtcaac	180
acattctggg	tgctcactca	tgaacatgcc	aaagctatac	tgcaacacta	gcctgaattc	240
aacttagagt	tacctcacca	tcaaaatcag	gtggctggga	cgttcttttg	tctctgaaga	300
ccaaaacttg	aaaatggact	gacttttagtg	gggaaatttc	cttctgcgac	agtcattgtc	360
atgggaactt	tcctggggct	ggggagttct	gttcagccaa	attcagtcctg	ggcagcaccg	420
gggagcaa	tcaattcatg	ggtttgtcca	aaagagtcct	aantttt		467

<210> 1117  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 1117	tttttttttt	ttcctagata	caattccttt	attatcatta	tcatgcccc	tagcacatga	60
	agctgggctt	ccacctagat	cagctaagga	caggggtatg	tttacaatga	gaacaatttc	120
	tctatgcgca	ttagggttaag	acctcttctc	tgtttctaga	atactgtgat	gactcacatc	180
	catgggccag	ctgcttcag	ggaatccatc	tggcctcaac	aacattgggc	tgctgggaa	240
	taacggctctg	ggcacttgca	caggggcagg	ggatggggg	agcaggcctc	aggtttatta	300
	aggcaggac	tggggcactg	ctggaaatag	ggggaagggg	gggcagccaa	catgttagcc	360
	aggttcttcc	ccaaggg					377

<210> 1118  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1118	tttttttttt	tttgtgctta	gccaaagattt	attgaactgg	atgaatgaat	caatggcttg	60
	tggaggggtg	gggagtgggg	gggcagtggg	agaccacaca	gcacacagaa	tgtctaacta	120
	acttgaggaa	ttccagttgc	tgaggaggat	gtaagcagat	tgtttcagag	atggataagg	180
	aaagagatga	ctgggacagg	gtaggaatca	tggctattca	tgggtactca	ttctatcttc	240
	tcagtcaccc	tccacatcca	ataatcagtc	attaagttat	catcttacct	taacagttca	300
	caccttaaca	cctccaatct	attcctactg	ggcctttgcc	ctaggtgcag	ggcctcctgg	360
	ggtctttttt	tccagtctcc	taggctaate	ttgttcatct	tccatttcgg	ntctcttcac	420
	aatgggatt	cactcangg					439

<210> 1119  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 1119	tttttttttt	caccttattg	cattttttaa	atctttattc	tgtagtgaat	tggtattccc	60
	aatctgccta	agcaaaggca	tgcccttcta	acaagatttg	cttagagcag	aggtgataga	120
	aggaagaatc	cgaagaccct	ctggcatggc	aatctgggag	cagcacattg	ttgatggagt	180
	ccaagtgagc	acatttcaca	caattcattt	agtgacaagt	gggcttgctc	ccttttcac	240
	caggaaaaaa	actactcaca	gaccactgcc	cagaatctgg	aataagaacc	ctcattttta	300
	ggtattcttc	ccaacaaata	aatatctaaa	tattgaaagg	gggcatatca	ggaaaactta	360
	aaaggacaca	tttaaccaa	accaaacc	tttttcaaaa	caagtaaggc	atgtctgtat	420
	ttagtt						426

<210> 1120  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

```
<210> 1121
<211> 399
<212> DNA
<213> Homo sapiens

<400> 1121
tttttttttt tttttttacg ctttttactgg ttggtttaat gagagagaaac cactttttggc 60
cattatcacc ttacgttact acaaatcctg aaaggaaaagc agctttgagt cttgggctcg 120
gctgaacccc ctgcatggac cggggctaac agtaccctct acgactccca cagggtctctc 180
tttgtgtcca gatggatggc gactgtgagt cagcaacgcc agccaaggac ttctctgcct 240
ttaccgtggg cattggggca gtttttcagg ctctctacag agaggaggaa gtggggccag 300
taaggggaga ggggctagag agaggacacc agtttacata ggggttgact ttcacttgtg 360
tgtagtacga qtttcaqqa ttttaaaaaa aaatttttc 399
```

```

<210>      1123
<211>      444
<212>      DNA
<213>      Homo sapiens

<220>
<221>      misc_feature
<223>      n=a,t,g or c

<400>      1123
taataaaaaat ttattgantt acaagtgatt atttatcaaa agaccattaa tagcaggtac      60
tgaaatgatg tgttactggg tgggtgctggg agactaatag gaaatcaatg cagctggccg      120
gccagaatgc atatgagaag cccaccccc ggccagccagc gcaatcacc cgcacacaca      180
cgccaggngc cacccttggc gcaatgaaaa gttccccctt tttattttatc gtttacaat      240
gaaataatca atacttttaa tctagagcaa aatttattaa ctttcccatc ggagagagac      300
atnttgactg ggggagagag tggggtntgc gtgctgtagn aagatgggat ggctgcgtgg      360
ccatataccta acctgtccgc gaggcagttg cacctgcagg ctgncctttc cagnctacgg      420
qccgggggcca cnqgggggcaa gttg      444

```

448

<211> 212  
 <212> DNA  
 <213> Homo sapiens

<400> 1124  
 tttttttttt ttttttttta tattatttta ttttttattc aatttttaata tggtttccat 60  
 tattaacttt taaaacaaaa tgatttccag tttaaaaaac aatgcactga ccacataatt 120  
 ccttttttat ttacacagt tatacaata ttctaaatac acattttgtg ttcaagatga 180  
 tggcaaatag ggattaactg tacagtacat ag 212

<210> 1125  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1125  
 tttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac 60  
 aatcagttct cccttgaatt taaggataaa acttgtcttg tttataggaa aattgggtctc 120  
 attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180  
 ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgacctg 240  
 ttatttttta aaattatatt aaaattatgg cggtaaataa aaatgtactc acattctcat 300  
 catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360  
 ggaaaaggta ttggccttt atggggnggc ctggtttcta actaggcctt tggccaattt 420  
 tttt 424

<210> 1126  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 1126  
 tttttttttt taatgatgtt catttattta aacgatctgt atgaatttgg tgattttgtg 60  
 gatacgcccc tgacagacaa ggattcacag ccgacggaag tcagggaggc tccctgcaaa 120  
 ttcttcatct ccgcggggcc tgcccagacc ctgatcctgc agagccgtgg ggctgaggta 180  
 gccgcgggtt gtgggtccagg gagtgcgtct ttctggatgc ggggcacctt catttcaccg 240  
 tagcaaccgg gtacaaaaag tagaagcgga tttttggaaa atgagtcatt aggtcccaaa 300  
 gagaacctat tgcaacatgg gactccataa cgttcttgag gatcatcctg aggaaactga 360  
 tgttctctcg ttagacaaaa atggcacgat tttgctt 397

<210> 1127  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 1127  
 ggttgatcatt tattgttttc aacactatct tcatgacctg tttgtgttca gagtgggtca 60  
 cagataagga aacatttttg cccagtctta agttcatgga agataatagg aagagtaatt 120  
 aactgcagca aaagggttagg acaaaacatg gcattatcag ggcttgaaag gactttattg 180  
 tggctgtggt gaagcaggcc ctgggtcttg gcagatgata ccagaagggc actgagtga 240  
 ggcgtgcaac ttgaatttga tcccataaag tcagggcatc aggaagccat tcagaatttt 300  
 tcaccctgtc agatgctcag atttgctagg agaactctgg gtagtgggca agaaccagag 360  
 ctgttacttc aggaattggg gacagagggc atttttcccc aaaaaaaaaa aag 413

<210> 1128  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1128

ggtttccttt	ttggtttatt	cttggattgg	gcctaattta	ttttttatat	ttcaaaaatc	60
tttcattaat	aattattcca	ttaggggttta	gtaactacag	actcatttac	taatgattta	120
ctatgatacc	ctaaaaatag	agaaaaaacc	ctagaatatg	agcgtatgca	agtaagtgca	180
atttaatat	tgaattgcag	aaaaatttta	aacaagcttt	aaaaatatct	ctaaaaggag	240
gcttaaagtt	aattgctgta	gcctcctgtc	atccacagag	aagncaaaat	tttaaaaaca	300
tcaaacatac	tcaaaaacag	ggcaaggctg	gganagggtg			340

<210> 1129  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1129	nacattgtat	ttattttcat	gttttacctt	ctattgatgg	caaatgagac	tggttttcca	60
	tttacagaag	tgatacaaaa	gattcctggt	gcaataattt	cattaagtga	ataatgagcc	120
	aatttaaaga	aaaatataaa	gcaaataatt	ntacagatgg	naaactaata	tggcaaaatc	180
	actaatattc	aaggctgaag	tttgccggg	catgggtggc	catggctgta	atcccaacac	240
	tctgagagat	ggggatgagt	gggctctctc	gagcccaggg	ntttaaagac	cagcctgggg	300
	caacataggc	aagaccctgt	ntctaaaaaa	aaa			333

<210> 1130  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1130	ttttttttcc	catcttaaaa	cagtgnaaac	aggtaactta	tgctttttaa	acaccacgac	60
	cccttcccca	ccccccaaag	tccctttcct	cctagtatct	gggggaaaat	ctgcaattct	120
	gcaaagtgtta	ctgcgctaga	ggttgcaagc	agcggagAAC	tggctgaact	tggcaaaagg	180
	caaggactgg	tcaaagcttc	ccctttctcc	tccttaaaca	tctaagtgtc	ttccagtctg	240
	tcccttggtt	ggccttggtc	tcctgccaga	gggaaggggg	ttcatcatgc	ccttcttgca	300
	tatccttggg	gttgcttcca	tcctgttttg	atgtctccct	catgtctggg	aagctatata	360
	actagttaca	ggatggtagt	gattaacca	cttattctgg	ctagatctct	agtaaaagca	420
	taatttttaa	ggttaaggag	cagtttagg				449

<210> 1131  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1131	ttatangcat	tacntnttta	ttcaagctcc	acaataacgc	agcaaaatac	atactgattt	60
	catatcacca	gcgaaaaaac	catactcaaa	taagttaggn	aacatccaac	taggagtggg	120
	tggacaaaaa	cctaggcttt	gactccacac	accacactct	actggatcag	gagaatactc	180
	tgatgaggtc	tcatttccac	ttgagtttga	agagcctgtc	gtttgggatt	tctaggaata	240
	tttagtctaa	tgattattcc	tttctgtagc	ataggatgat	gccctcacia	aacagccagt	300
	gtgggttaat	tactacacag	ctgtcagctg	ccatacatcc	taataccnat	tatttaatat	360
	gcagttaaca	cttgggngct	tggntgcttt	acaatggc			398

<210> 1132  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1132  
 agcaaaagac atttttttatt gagaagtgag gaaacacaca gatcagagaa gcagggttcta 60  
 aagggatcgt atccacagtt attcttgtaa tcaattagcc agaatgaatg gatgttctca 120  
 acagaattct gggacaagaa tgaatgagtt cccacatttt ctggttcatg tacaatgaa 180  
 ttacagactc aaaattctga aaaagagatt accattatcc aacaatgggt aaaatgctca 240  
 cctgtagcta gtggaacgga tacctgaaag aactaccac aggaagcacc ccagagaggg 300  
 gaggtatttc tccagagaaa acaggggtgc tcatgtcaat caatggacaa caggcatggg 360  
 aactgcaaaa tataataaac gttcattata atgagttcct cttaagcggg cccctgtna 420  
 ttaaatgccca gttctgctta tngaaa 446

<210> 1133  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1133  
 tttttttttt gctgacttta attacaaact ttatttgtca atacaattca cagttttatac 60  
 atggcgcatc ccaccatata aattttcgga acagttattt gaggaatgg gtgtagcttt 120  
 ctttctaaaa gagcctgact ttctaaaatt ttgggtggat tttttttaac tttataaaag 180  
 tacttttaac aaattaattg aatattttaca tttctagctt aaattttaat tttggaaaat 240  
 aagcgtctat tagttttatt ggcttctttt aaaggattcn ggggttttatt tttccagga 300  
 cccaatccg gatggcncc ttattccgga taccngctcc ccacccccca ccaccac 357

<210> 1134  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 1134  
 ttttttttta acaagcatgg atagtattct tatgtaaagg tagtatcaat gagaaagagc 60  
 tggaagacag acctagctgt ctgtcaggta gaatgagggt gaaggagatc taggatgctt 120  
 caggcattgc gcttgaactt aaaaaacagg atcagcaggc cctgacttca taaggcccat 180  
 aaatacaaat gactagctcc ctttctcaag gtcattgaaa atatacagta gtttcagaca 240  
 tcacatgggt ttgggcaaag ggggcagatt tccaagctag gtcacttaat ggtatctctt 300  
 gcctcaaaat agtcccatca aactaattt aaattatttc cacttttgtt ttaaagctta 360  
 aggttctact cactggacat taatttgagg ctaacagcaa tgtgttttgc 410

<210> 1135  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1135  
 tttttttttt taatgcacca ataaatgttt atttataaat aatagaagtg tacaattgta 60  
 caatatatta tgtacattat aaaacacaca aaaatagaaa tttaaaagga tgagattaaa 120  
 tacaataat catcttaata ctctctcaat ggattgatca tctccacgcc cctgggatgt 180  
 atacaccccc acctgaaaca atagccctaa agtatgtcaa tgattgttat ttgggttttc 240  
 agctcagggt acagaaatat gtacaagatc gcatcttttt aagttttgca aaatagccct 300  
 agcatccaag tttaaatggg atgaggaatg cttgggtgct aacttcttga ggacatattt 360  
 gggactaatc cactacacag ctgggtaaaa tgtcgttatg ggttccacca acagttattt 420  
 tcca 424

<210> 1136  
 <211> 340  
 <212> DNA

<213> Homo sapiens  
 <400> 1136  
 atctcagaca aacattatgt atctttatct aaatttgcaa atgaaaacaa cacatatttc 60  
 atgttagttt taataagaga ttccctatcc tctgccccag taaaacctaa ccaagccagc 120  
 ctgacagggt atatcaatac agggagctgg agtgggagcc aagggtggtg ttagataggg 180  
 gtggggtaca gatcaagggg gcctgggaga ctcaagtact ggaagtctct gccctcact 240  
 cttgggtgag tagctaattt cagcagctgg cttcataagg aggagtcagg ggtgggtgga 300  
 ggctcctccc aattccagat ccacttcctc ttctccttct 340

<210> 1137  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1137  
 ancntttann nmtccaagt cattagcttt atttttactg aattcagcat gggatgacaa 60  
 aaatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcttta 120  
 tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct 180  
 actaaaaata tgcagttcat ataagcaagg gcaataaat cctccttaaa acattttatt 240  
 cttttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag 300  
 ggnttaaggt ttattttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt 360  
 ttcccgagg ccatttcctt tctcttcctt tcttccggc aaacnggggg ttttta 416

<210> 1138  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1138  
 accaaacaaa anctttatta atgcattgac aatcagtga gacaatgaaa acccaccact 60  
 tttgtccgtg aactgagaaa gaaaatggca atgtcatatg gcattaatga tgcagagat 120  
 ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180  
 agaaagattc agctttgtta ctttccagtc actctctccc gtaacacagc accttgggca 240  
 cagaaagcag agcgnccaaa acccaggant gagggacagt taaaattcaa cttcaaggct 300  
 acagccatcc caacgggtcc tnccagctc ccgcgggatt ttttacc 347

<210> 1139  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1139  
 caggaggtag gaggagattc ttaaattctt gaagagttct gggctggggg tctgggagggc 60  
 aaggggctgg aaaatttggg ccactgattg gtcagggtaa gggagattga atcattagga 120  
 tatggaaatt gcattctttg atgatttagc ttctggtagg gtccttcaga ccagctgaca 180  
 tcagtagttt catcagtatg caggacctga aagantntct cgaagggaaa acttagcatt 240  
 tcataatgtt caagctgtta tctntagagg cagttaaggg gaactataat cttntaacag 300  
 actccacata attctgaagg caatagccna acaactttga gggaggggtc agccagcaaa 360  
 gtgaccc 367

<210> 1140  
 <211> 260  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1140  
tcccacacat attccaaatc ttttagggga gtaaaagcag tgaaaataac aaaattatgt 60  
tccacatgcc caagtcacaa aatgtattaa atatgataaa gtagcggctg tacaaaattg 120  
gacaaattga caaataacaa tgggtcagga acactgtatc tgtttgatac aggagtgata 180  
ttgaaaangg gttctgtttt tactttctct tatttgtcat caaaaangaa aattgcatct 240  
tccataaaca ggattccagg 260

<210> 1141

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1141  
ttgtttaatg aaacacagta taagaaacta gaaaatatta cagngaacta tgcatactga 60  
tgctaagttc tgttttatct catatacatg tccattttat atcacaaacc agtaaaaaca 120  
tacaaattga taaatgtata ancacattgc acatnggggt atacatgtgt tatgttgggt 180  
cataatgtat at 192

<210> 1142

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1142  
taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60  
tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120  
tagataaatg aaaatccttt attttgtaga attttaaaga ttgttaaagg ctgggtcaag 180  
gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240  
acatatcgcg tgtgctatga gcatctttct actcctgccg gattgaaaat tctaggtttc 300  
aacattcttc aggatttaac aagtcaaat aaaagccgga attcaaactc agg 353

<210> 1143

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1143  
ttataaaacca ccatttggag ggcttatgag caatgtaagt ccacctcatc taattaaacc 60  
acattgtttt aaaagcttga acagttttca tgcttataag acttgtctga ataataaact 120  
gctagagcca gaattctgag tgtcttttga gagccaggn ttttatctgc tgagcgcaag 180  
gggccagggc actcaaagag ttaaagagtg ttcccgcatc gctgggtagg gttaatatca 240  
cagctgcctg ggnaaaggca ttatccccgt acctcacttt aacaaaagcc tccttttggc 300  
aaacagactc ccactttccc cgcaagg 328

<210> 1144

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1144  
gctaattaat agctttttat tttctcattg taatattttt gagctccaaa ttattacagg 60



attaaaccag	agctgtgtga	aggcacttaa	ttggggagag	gtggggcagg	gatcctggta	120
gagaccaatg	tttcccaccc	agacccaag	actgctggga	gagatgggtg	cagcagtgac	180
tcccaggaat	atccagtgg	gtgggtggccc	atcccaggcc	cggctgggag	tatggctggc	240
ttgctggggg	atgtgatgat	ggtggtaggc	atgggaggca	ctttggacgg	gatctgattt	300
ggcaaaagga	agtggtttcc	tgtccccagt	gatttccagc	cc		342

<210> 1150  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1150	tagagacagg	gtctcgctct	gtctccaaag	ctggagtgca	gctccatcat	ggttcactgc	60
	agcctccgnc	ttccgggttt	gagcgatcct	cccatttcag	tgtaaccacc	attcttatct	120
	ctatcaccat	agattagctc	tgcattgtct	tgaacttcac	ataaatggaa	tcatgcatag	180
	ataggtctct	ttgtgtctgg	attctctctg	ttaacactgt	gtctgtgaga	ctcactcatg	240
	ctgtgtgtag	tattatgctt	catccttttt	tgttgttgca	tagtattcca	ctgtataaat	300
	ataccacaat	ttatttgtct	gttttcccaa	ttgctgtgca	tttggggatt	gttttgggtt	360
	ttcacctatt	ttggaataag	gctgcctagg	gaccaccctt	ggtatagggc	ctggg	415

<210> 1151  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1151	acattcatct	tttattcttt	tcttatgaat	tatggggggg	ttcttggtac	ccatctttta	60
	aaggactcca	ctccattttt	ctgcgtcttc	aatctgttat	ttcctgcttc	cattgccttc	120
	tgaaatgtaa	cagttgcact	tttcagctga	aaatcatctt	tttcaatctc	agaggatgcc	180
	tttttcaggt	atacaataaa	tacccctctg	aatcttaatg	ggcacacaaa	ttggagattt	240
	ttctaaagat	ttctgttgat	tctgggtagg	gaagtttgtc	tcaaggggaa	acatttgtgt	300
	tgattccttt	atgaggaact	gctgaggtct	tttcacaggg	cccatggggt	ttcctccctt	360
	ctcttattct	atatttgtcc	catccttgag	gggttgagga	gggggagccc	tgtntcccaa	420
	tcttccaggg	gccaggatg	atggggagtg	gggagaggga			460

<210> 1152  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1152	cttcaacaca	gcagaaattt	atttcccacc	caggtaaggg	gaccctgagg	taggcagtga	60
	cttctgtcgg	cagcgaacta	ggccctctca	ccaggctgcc	ctaccgtgct	cagtgtctgc	120
	tcatggtgca	aagtggttgc	tgagctccag	tcatcacttt	agcngcnga	anggggaagg	180
	gnangggnaa	aanntttccc	ccccnctngg	gggatttctt	tncnnncccc	cagtnaggat	240
	tttngtitta	ttataaggna	agaagagaca	gttagcngag	gcttccctgt	ccaccagg	298

<210> 1153  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

<223> n=a,t,g or c

<400> 1153  
ttangtatatt tgaatagcat ttgatttatt tttttctctt gtttgagaca ggttctcact 60  
ctgtcatcca ggctgagagc agtgtctcag ccatactctca ctgaagcctc gatctctcgg 120  
acttaagtga tcttcccact tcagcgtctg gagtagcatg tgcatgccgc cttgttcagc 180  
taactttttt acttttttgt agagatggga tcttgctatg ttgcccaggg ctgggtctca 240  
aactcctagg gctcaaggta atcctcccgc ctgagcctcc cgaagggtgct agggattaca 300  
gggcgtgaac ccaacacatc tgggccagta ttttatttgt ttaacaggca attctggggg 360  
atcttcccca ttatggctgg ggggagnctt cttggtccca tggaattccn ggcattgact 420  
gggggggttc cntggg 436

<210> 1154  
<211> 552  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1154  
ttacaattga aacaggtctt tatttacacg gaagcagaga gacagaggga tgagggcagg 60  
caccacaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatncntg ggactcacag ggtatgaaaa tgtgttacc tccaaagcct caaaacaaaa 180  
gggttggtatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcatcttggg gaaattcttt acagttaagg 360  
tgatgtgttt cttttcattg gttaaatttaa caggagagg catcattatg gggatacatg 420  
cagggtcgt gccgaattct tgggcctcga gggccnaaat ttccctatag gtgagtcgta 480  
tttaaatcgt gtaatcctgt ccataggctg ttttcnctg gtggaattgg ttatnccgct 540  
tcacaatttc ct 552

<210> 1155  
<211> 472  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1155  
tttattgaca tgatgcaaat atctttattc gtacaaataa cattcaagca tatcattcag 60  
tgttgcaata agttaagata agctcctttc agagatgctg ggaaaggctg gcttttgctc 120  
caaaacattg ctccctaatt ttggctcctt ctatacattt ccactaaaag ccttgcccgg 180  
agcaagaagg aagcttacc tggccacccc tcattgcccc tgggtcctgt tcccctttcc 240  
aatgctagca gtaggggcaa gaggggaggt ttattttcaa cgtgaaactt taactatatt 300  
taattccttc taccaaagcc tgcattaagg gctaaatggc atttacaaaa cattacatac 360  
ccgcaaactg ttgaggatag gtgaggcatt gtttttaggc tatttcatct ctttnggtca 420  
aaaaaatata tatagggcct ggaaaccttc acttaggtgg gcggatttta ct 472

<210> 1156  
<211> 495  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1156  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccattctcgg accatttgta 60  
gactggaaca tttcgagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120

tgttcgcgtc	acccccaggg	ccaccttggc	gcccgcata	gcctcgnttc	ccactcccgg	180
cctccaactc	ccttccctcg	cagccgccat	tcaccttctg	ctgtttatth	gtctgcagan	240
gcctgggaca	ccggaaaagg	cgattccctg	agcgcctggg	agttggagac	aattcctgg	300
tcagaattta	aacatctttc	taggtaagcg	ntgctccaaa	actcttcgcc	gcgtgggact	360
tttgaccag	gggcggttgg	ggagganttg	gccctccacg	gttcttgggc	aaccgcggcc	420
tttttgaaag	aggttctggt	caatatttaa	cttcggagga	atttggaatt	ggattccttt	480
aagttcttnc	cctgc					495

<210> 1157  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1157						
ttnttttttt	caccaattac	aaaaaggctt	tattatattt	tgccaaatgt	taatcgcttt	60
cattatgtct	ccaaacatta	tttcaccact	cattttttata	acaagtgcag	tgaagatatg	120
cttatcgaat	attgtacaat	actgttgtgt	tctgtaacac	tctttcggga	acagcttaga	180
tgtaggtaac	aagagatgcc	ngcgtatgaa	agngcttcat	aaactgtact	gtataaatgt	240
aaactactac	cc					252

<210> 1158  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 1158						
agcaagggtt	taatggaaag	cataaaacac	tggaatatg	gacagaaatc	agattattac	60
cctttttatth	ttttccctgc	ccctttcaca	atgagactgg	aggggattca	agaaccactt	120
gaaataaagg	cgaaatgatt	agattttttt	ctcctaattg	cctaacgctg	atgtcatggt	180
gtacgcaaaa	tcaacattga	tctctaagtg	aaagaggaga	aacagaacaa	catcaacagc	240
ctttcgaggt	aaactgtggg	gccagaatct	atttagggca	acccgcaggg	cccaaaatct	300
ctggaaaagc	ccaacagtgg	gagccagttt	ctggatgctc	ctctgttggg	tgatctggat	360
ctttgagtgg	ggggaaatct	ggttaggaaa	cagcctcttc	gaggggagcc	ctccccctgg	420
gt						422

<210> 1159  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1159						
tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
tagcacagta	aggagactgc	ccaggacttg	aggtccttgg	tccctctata	gaagtatcaa	120
gtgtttgtaa	aaggttttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
cttgggtttt	acttaatata	tagaagggca	aactagtggg	gcctctgagt	gcaagatgag	240
ggacttcatt	aggaataaag	ncatattgcc	tctggggntt	ttctaacca	taggctccaa	300
ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
ccctaccct	accaacatcc	tgtggggaca	ataggag			397

<210> 1160  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1160  
 ttttttttgg ctatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60  
 aaagacttag ccagtaacac tacaaaaata gaaagcccgt taattcctgt gaatttatct 120  
 gtgtgtgtcc atgtccagta attatttcac tgtctgtctg aagtactaac aatactaaat 180  
 ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240  
 gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300  
 tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360  
 atgtgctggc ttcaaattct ggatgagtaa ttggcagtgg tatataggag agttggaaag 420  
 gtatttcngc catc 434

<210> 1161  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 1161  
 taaatgaccc aagatataat tctgattgtg gtctggatca taaacccgca tcacatttta 60  
 aatgtctatt gtcttggaga caataagctg ttttatgggg gaatgggtgg gtggaaaaat 120  
 gggagcaggg cttctgaagc tgactaatac ctgaagaata cggcaacgtg agaaagcact 180  
 gacccggctg ctttggtaaa tgggaagaaa tcatctcagg gttgctagga acatgggtaa 240  
 gaccagactg tagaaagatc cttcaaaaaca aaacagtttg ccattccttt aacaattact 300  
 aaccgtcaag aactttggaa ttgtgccacg gaagacagag ctttaagatgg ggtggagccc 360  
 tttacctccc acttgctccc ctgggcc 387

<210> 1162  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<400> 1162  
 ttagagtgtg gagtgaattg cttttttatt tacgtttaag agtctctctc cctccttgtg 60  
 ttctagtctg tgaatggctc acacttggac ttagtgtagg ctccctatggg aggagcgggc 120  
 ggtagtgaga atcttcatca aatggagtaa catgacccaa atctctagag gtttcataat 180  
 tttgctcttg cttctaaaaa cataatcatc tcttatgggg tggtatgtgc tttgtatcct 240  
 gaaattttcc acttgctgct tcttggtgtg aggcgagaaa tgccaccacg tgaacttgca 300  
 ggaggagact ggtggaagcc acagggctag gccttcactt cccagtgaca ctgttcccaa 360  
 ttccctccag gataagctga gactcctcca ggatgtgggt ctgcagcaga tgaggtgcga 420  
 acaaagcctg ctctggcctg ggcaccagc atggcactga gttctaaaag g 471

<210> 1163  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1163  
 tttttttttt tttacaaaaa gcaacaagag tttaattctc tttttacatg gccacaggtc 60  
 tcttcagtca ggggaacttc agctggtgcc tctctcttgc agctatgagg cgacagtgtg 120  
 gtgacatgcc tcatcacagac tgtcccagta agccaggaca agtcaccatt aaaatcttgc 180  
 atgaacagcc ctgggcacgt ggggaatgta agaaagagcc accgcctcct tagtcagctt 240  
 aaccacagct ccaaacgcag tttgtcccag ctggcaaacg cctcaaacac caatcatgcy 300  
 tcgtgctcct attctgggtt ctttataaaa cacttttata tagcgnata gatagcacag 360  
 taaatgtgct tctgatgcac tctaacatag aggacaggaa tacacactgt ggggcgcgc 419

<210> 1164  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1164  
 caatcatcac atctgtgtat tgtctcaggg tcaatttttc agtaagaatt ccagacattt 60  
 ctcttcggtc acattacagt aaactatttt tcaatacatt tcctccttga ctttcaaggc 120  
 ttgaaagtca aagacttttc tttcactaga tctcataagt cataactgct ctcaaccaga 180  
 tgcaggagta attttgtata aaagaacaag ctttttaaag tccaataact gtatctttgg 240  
 ggggaaggta aaagaatggt taaatacaaa aaagaaagta aaaaaaaaaa gagagagaga 300  
 caaataactc tcctcctaga aaaaaagggc ctggggagcc ctgggctagg gcnggccagg 360  
 ggagggaaag ccataaatag gggggg 385

<210> 1165  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1165  
 ccctccacaa cggaggattc ataagagcag gggccctggt tgttttgttc atgctatatc 60  
 cccagacctg gcaccaatta ggtgacaata catatttgtt gaatgaatga atgagaatgg 120  
 tagtcttttg gttcccaggt ttattgacaa ttactcatct atttttgact ccccgagtcc 180  
 cagctcccaa actcgctctc cctactccag gcttcacggt agtcccagaa tgtaggaagt 240  
 gggacaggat agactttaac atcacccagg cctctggttt ccaaagcatt ttttttcttt 300  
 aatgcagtaa aaccattcct ttaaaaccca aaatctctca tgggaacccc tacgtatcaa 360  
 atatataaag caggagctgc ccttggttcag ggataatatg tggggcttat ggctctaaga 420  
 aacacagttt gacattcact gctctcctta cttcagttac ctcatggtat agataaatgg 480  
 ggctgggcn gaagaggg 498

<210> 1166  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1166  
 gttttttaac attttaattt caacgtgcc aactttgtcc aaatgagatg atacaggcta 60  
 gaatgcacgg cggaattcca gactggactc actccataag ccaactcatc actgcccggtg 120  
 aacatgaatt ctggtcctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180  
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240  
 ctccgagact gacgattatt aacca 265

<210> 1167  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 1167  
 aatcaaagta aattttatttc tgaattacat aaggatcatg aaacagaaac attaaactctc 60  
 atgttataaa aacagtagta aaatacagta cacaggaatg tcaattgaat gacaacaatg 120  
 aaagtacaat agcaaagtaa aaatagtaac ttttaacttt aaatacaaaag tgaagcaatt 180  
 taatatgaaa ttttgtaaat aagaaaaata tatgtcccat gtctttatta catactgtac 240  
 aaaataaaat attgcacctt tcatataata aatatataca aagagtatgt taaaaatcga 300  
 tctttctttt aatttaataa ccttcaacaa tcagatgtga ttggatgatt aacaactaat 360  
 cgggctgggt gtgtcctcct cactgtcccc catccattcc caatcaccaa accctccaca 420  
 tacagtagtg ctca 434

<210> 1168  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1168  
 cttccaccag acattaattt taatgaggtt actcaagatt tcccccttct tcaagcattc 60  
 caggaatcag atggaggaag atagggtaac atcatcttta tcaaataattt gcaaacatta 120  
 tatagatagc tggaaaagcc tgtgcatggt cgaatggaag agatgtcaca taaaaccgaa 180  
 taactgagtc tcataatatt taggtcttga atgaagttag gccttgatct gcttccagcc 240  
 agttgatctc ttaattatgt aggctgtgca acaangtttt tggttctggt ttatagtttt 300  
 cttctctcgc attcctctag atttaataata ttccctgatt tgggtttaca gatcactgct 360  
 tttcctccag aataagccaa tgtggataag ggagaccaa gggaa 405

<210> 1169  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 1169  
 attctatata gatataattt ttattatttc tcaatttaag caccattcaa ttcttctgga 60  
 tccattctgg ctggaaaata tccctaaatc cacaggatgt tatctattta atggcacatg 120  
 ttaactgaaa atgaggtgga tttttttttt aagaaaagac cttaaattaa ttctatctta 180  
 catcttaatt ggtttgtctt ctgagccagc tcacaatgtc aatgcaattt ctagtgcagg 240  
 tgtctctgag tgccccctga ccacaccccg aggattgtgg cagtgtcctg gccatgtgtc 300  
 ggaaggatcg aagggcagca ggtgcagcct tgctctgcac atgggacagc agctgggctg 360  
 gtccaccgcc acgcaccttc agcagtgtac ctccggcaca agttccacca ttctgcttca 420  
 a 421

<210> 1170  
 <211> 206  
 <212> DNA  
 <213> Homoomo sapiens

<400> 1170  
 atagttgtgt gcaatttaat gaacacaatt aattttacca ccattttaca taaaaggaaa 60  
 ctgaagtgca tttcttaggg tcccactgta agttgagggc ttgagattcc aagaaaagtc 120  
 ttatttcaga gctcagtgtc ttgcccacaa cgcagcctca ctgctcaatc acattcttga 180  
 ggtttgattg gctgaaacgc acgtgg 206

<210> 1171  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1171  
 aaaatcagag actattttata tttaaataact cttcccttaa aaatggcctg accacagcaa 60  
 tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
 gatacttttc actgttctaa atgacaggnt tttaagcatt ttttcctata tataatacag 180  
 catcacttaa aattttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
 tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 1172  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 1172  
 cccgattctt tcctttttatt tgccaatttt tatgagtcag tgccttacia cttccaaagg 60  
 taaacatgag gcttctttcc ttaagcatca tcatgaactc ttagatgttc atttattcaa 120  
 caciaactaa aaaaggaatg ttaagtctta agatatcatt aatactaact tgcattactt 180  
 gtttatgaag gattaatata ctaaatagaa tatatgctca cttttttata tgtagatatt 240

aattttacaag taattaacat gctaaaacat tttataattc gctt 284

<210> 1173  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 1173  
caatgctggc gtgccattca ttgaactttg acctaattaa tcactctggaa acctgttaca 60  
atctttaatt gatagcactg tggtaagtta atgtataagt ttctaaatca atcacaaacc 120  
aaacagcagc ggttccttaa accatgttta accagaaggg aggggacata atctgattat 180  
gcatgacaag aaaacaaacc ccatttgtag aataaaatac tttaaatggg ttaatatgtt 240  
aaaccagccc cctcccaca cacacttttt aataatgggt taaacttttc cttttctgta 300  
aggccatagc tggttttctg actagttgcc taaacatggt tctcatat 348

<210> 1174  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 1174  
acacagaaaa aaaaaattta atattcaaca tgcaaaacaa cttttaaag aaacatgaaa 60  
tcataaagca agctaacag ccaaccaaca aataccgctt agcaatgatt tccactggat 120  
gtgggagagg gttaataaag acgctgttgg taacgcgtac agaactatca ctggcaatca 180  
gcatactgag ctatccagtg gagggcagca tcgtgttttt gctaaaatac atgtttgtaga 240  
agtcataatt catagtgaag aatctcaaca ggttttctta cagatttaat tactctcaca 300  
caaataattc att 313

<210> 1175  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 1175  
caggggaaggc agagatgtgc ctggcatcac agtttattgt ttataaacca tgacaataac 60  
agctgttgct cagcacaggc ctagcagagc cactgcagg gggacggcag cgggcaccag 120  
aggccttgcc tggccaacc caatgggaac acccagactc agctgggtcc ccaagggaga 180  
cttggcacat tggcatgggt gtgggacagg taaagcatgc aagagggaga agagggacat 240  
aaggggcatg c 251

<210> 1176  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 1176  
aaaacaaaac atttttattta atgcagaaat tctaaggtag aaaaacattt tgtaaagtgc 60  
agctgtgatc tactttcacc tagttacaga gttatgtaca aatcaagtca ttaacatttt 120  
caatgtcaaa aatacagcac gctgttaaga gttctgtcag tgctcattat cccactagat 180  
cccacaaagg gcaaaactcaa agatgaaaca aaggcaacgc catcaataac caccatattc 240  
cacaggcttt ctcccctagg acgtactaac agggagtttc cacagggaaa aattctcttt 300  
taaaaaatta acagtaaaaa t 321

<210> 1177  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1177  
tgtgttaaga aatttttatt ctttcctttg gatttgtgat gaaagcacat aaaattacaa 60  
gtggaagaaa catcatgcc caaaattgca tagaattatt acaaaaatgt gaattatgca 120  
ttttaataaa tttgagatag aagaaccaa atatgtacat ttaagagct tcaaatactt 180



atcacctccc	accaggtcct	tcccacaaca	cgtgggaatt	caagatgaga	tttgggtagg	240
gacacagcca	aaccatatca	atgcctctat	aaacccacca	ggaacacttc	tagaaaatgt	300
tgaacacctc	cgaggcccca	cagaaccctc	ctctaccac	atcttcatgg	caaggagcta	360
ccatggatcc	ccctccgagt	gtgccagac	cagttacagg	actggttaca	gtggaaggca	420
actgagaggc	atagagcaag	agctgccttc	ccactaaagt	cacacaccac	agaaagaact	480
cattcttcat	aagaagactg	gagctactga	aaaagggaca	gacactagct	gccaaaacct	540
ggctgaagtc	cacaacatca	catnccctca	tctcagantc	acacaggggtg	ctctctacan	600
catcacactg	gtttacttca	gagactccac	acacactaag	attcctgggt	aattgggtgt	660
c						661

<210> 1182  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1182						
taaatgggaa	caaagaaaag	aaaacagcct	cagcctccag	ccttcccttt	tgggacctgc	60
ctcacaatgc	accctctctt	ccaggcactt	cttgaattac	agaggaaaca	acagtgagt	120
agtccactat	ggagctacta	ccaggttggt	ttaatttgca	tgggtcccag	acgagtctca	180
agggcccagg	agggtcacc	acgctgtcgt	ctcttcgcc	cccgcagctt	cagccgcctg	240
gtggcaggct	gacgggctgc	ttcccaaact	tctccatgat	ctctcggatc	ctggccatgt	300
tggttttgct	aagtgtgaag	tcacaccttg	tggcccccat	gtcatagcca	accatacagt	360
tcttgggtgg	atgcagtga	accttcggcc	tttgctgtga	ccacatactc	tccaggggtt	420
caggaaggcg	n					431

<210> 1183  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1183						
cggagaagt	ccaagtttat	tagagtgaga	gagtatcacc	ctcacattgc	caccaacaga	60
catagatctc	agagacacac	tgaccttgca	ccataattat	ggtgaatttc	taggttagaa	120
gataccttag	aggtcaccgg	gctgaccttc	ccatctgatg	tgtaacccc	tcttaaacad	180
ctccctccag	gagactgagg	tgagattctg	tttaacatac	ggctatcact	gaaactctgg	240
ccagctctga	atctgcaccc	tggaggcgga	gaatgtttta	gcactataag	gcagtagaag	300
gaaagttcct	tggctcaggc	cccaatggtc	cccccttttt	taatngatga	aaggttccca	360
gagtcacgtg	caaagtcctt	cggaaatccc	ccccancaa	cacaaagcac	gaaaggaggc	420
ctgg						424

<210> 1184  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1184						
ttttgctgga	acgttttatt	aagttaagag	gttcagggag	cagaagagaa	acaccttttg	60
ggtggctctg	gcggttctgc	acccagcaca	gcctcgaagg	agntgtggnn	gccatggagg	120
cagctgctag	ctccctctgt	cctgagcccc	atgggtacggg	tccaaatngg	gcaggaantg	180
ttagtaggag	gtaangcngg	aaaaaggtng	cangctnccg	gcttttcccn	ntaaanaaac	240
ccnccattg	ntgnttctn	ggnccttcgcc	anaactnttg	ggcaagggca	ccancttnan	300

aaanccaagc anaagggtn gctttgaagac anaaagggga cccaaggggtt ttggaagggc 360  
acacaggccc acccaaggaa atttggcctt tttntttttt ttttttttta aaagnataaa 420  
antgtttttn ggaaaaaaaaa gggaaaaaaaaa atttattata aaaaatntcc t 471

<210> 1185  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1185  
ccttttcagtc tttatttgca gcaaactacc actttatatg acagggtttgt gtgtctgtac 60  
acgcacatac acacacatat ccttaagctc gagacagggt gcggcctttac agaccaaaaa 120  
gtatggaagc ttggttttaa ctggtgtag agatcagatg gagaggaagt gcagcgggtgc 180  
tcacctggcc gctcggttct tcagggagac agcgtgctg gtgccgctgt cggctcanca 240  
gcctcaccat cccccagggt gcatgctgtc gtggccaggc gcaaactacg gcgggacatc 300  
cgtggagaat caaatacagg gtccaatttg tgctccgtct caaaatccag agcatctgaa 360  
gaatagctgg aactggagcg catagctgta gcccggtgttc tccggcacac actggggagg 420  
actgtacatg tgaagccgag aaaaata 447

<210> 1186  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1186  
gcaagataag gcactttggt ttttaattcta tcagtctctt tagaatgaac gaaggtctgg 60  
gtcctctgga aatctcaagt ggtgctgcct gcantntnaa aaggctgagc acaaaccat 120  
cagagagcca cagtcctaag tagactcctc ggtgcgctct gccacactgt ccatgtgcat 180  
tcagatttct cattaaattt tccacagcat gaccagtggg gatgacctgg gtggccggtg 240  
tntcca 246

<210> 1187  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1187  
aattttgaaa tggtttatttc aaagagcgtt ggtaatttaa acgtcctatt taatccccaa 60  
aacagtcctg agggggagat aaggcagtta tcttcatagt acaggaaagg aaaaaagcga 120  
gggtccaagg ccgactatac cctcagctcc attagcccc gaggcctccc tgacaggcgg 180  
ggcggacaat cccagtgcag atgctctgta tcgatcgcat gctatcggtt ctttcaagga 240  
acgtgtattg atcatcaatt aagtggtag tactcctcta gatgtcgatt cttagcaaac 300  
tgcggaaact cctacagaca aaaactcagg tgtgggcgca gaagggccgg ggatgcgctt 360  
cggtaagac tttgaaggtn cggggct 387

<210> 1188  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1188







taatgggatg ggatctgtga caaatt

446

<210> 1196  
<211> 296  
<212> DNA  
<213> Homo sapiens

<400> 1196  
gtgttttaaaa ttatttttat tacttttaga ctttttctca aaataattat tcaaggaaat 60  
attttcttaag tggcccagta aaactgtaga gccaatagtc agttacacca tattcaagga 120  
caaggatagt cagctataga taggaactgt ctaaaccacg agaactgatc tctgatactg 180  
aagtaccag aagtggctat attatcactg acttgaaaca gatcttagtc acccatgtag 240  
catttaattc aatgtttggg tctttgctc atttctttct taggtcacia tctata 296

<210> 1197  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 1197  
aaggttgaaa ttaggaattt cttttttatt ggccactaaa gtcctagcaa gtttctgaca 60  
gaagcacaga cagaaaatgg aaacaaatac cttactggga atgtttcctt gcttgacta 120  
accttgacta cagcaataac gcattgctta acagtcaaag tgcaccaggc catttccgca 180  
aatggcaggg tgagtgactg tgccgttccc aaggaagcaa aacagacaca aacagggtccc 240  
acgcgctggg tgcctggct gagtacagag gaggtgcta gaccggcagt acccttttcc 300  
caagtgagga aagccagctg tgacactctg cttgccggca ggggttcccc accctcccct 360  
ccaccatctg gcccatagct gtaccaccaa ttacatt 397

<210> 1198  
<211> 621  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1198  
ccttctgttg agatggagtc tcaactctgtc acccaggctg gaggcagtg tgcgcacctt 60  
ggctcactgc aacctccacc tcccaggctc aagcaattct cccacacctc gcctccaaag 120  
tagctgggat tacaggcatg cgcaaccatg cccagctaat ttttgtaatt ttagtagaga 180  
tgggttttctg cttagtagag atgggggtgtt tgccaggctg gtcccgaact cctgacctca 240  
ggtgatccgc ccacctcggc ctcccaaagt gctgggggtta caggcttaag ccaccaagcc 300  
cgcccgacct tcttctattt ttccattctc ctttccaaag ccattggccat gcgctcctgt 360  
gtacagggtgc ataaacacat cagtgtgcca tccctcacat gcattgtcgtt cccacacctt 420  
ccttcccagg gcttctcttg gctccagcgt tccctctggga cctctctgag atacagcctg 480  
tgctggaccc ccagccaggg tgaaggctca ttctgctctg tcttcccaa tgcctcagtt 540  
tccccaaaag ctgnttcagt ccttctagta aggggctcca tggggcaang atcccttang 600  
attaatcttc cncttgggga g 621

<210> 1199  
<211> 440  
<212> DNA  
<213> Homo sapiens

<400> 1199  
ttttctaaaa aaattttttt aatcagttta aaagttcgag gaaaaagaaa atcaatcaga 60  
aaagcaacta taccaaaaca gggttatcca agtgagcttc tctcacttcc ttagatggac 120  
ttcagcttat aggatgacac gagatgcgag taagaagcta tttgcgcatt tcagctgcgt 180  
gacttggtgc tgcgttgctt tcttttcttt cttctgtgga ctgagaatgc tagtgctttt 240  
gaatttgtct ttacaggacc tgagggtctt ttgatggtaa gagaatgaat gatcattgct 300  
gccttgagtt ctgtgtgatc cgtcaggcct cgcctccagg atggcaattg tagcctgaga 360  
tgacgtagcc caagttgcac agcagagttg ctgttctgga aacactgtgc cgagtgaaca 420

ccgaccttca cagtgctagt

440

<210> 1200  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1200  
gccaatcggt ttgcttctat tcgttatctc agcttatggt tgaagataaa tccttacttt 60  
tagcttttgc cactttgttg caatagcaca ttntttcggg ttgccagatt tcaggcataa 120  
ttctcattct aaagcactat cattagtata aaggaaggac aaaacattca gtgactcccc 180  
tccgcnaccc ccatcccaa ccccaacact acctacacta aatctagtac atcaagttag 240  
cttttttttt tttcctgaaa aaaggcaaaa aagactttac attgcatcat acagcagata 300  
tcctaaatca gtcaaactat cagaggaaac tggtggcgta cagctttaca aacaatttac 360  
cctaataaaa gttccccagt c 381

<210> 1201  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1201  
ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
gagggccccg gatcggcccc tcattcctcc tcgtcttctt cttcttcctc atcgctcctcc 120  
tcgtcggcct tgcctcgggc anagttggcg gcggcagagg gcacggcgcc ctccggagct 180  
gcggcgccag tcggaccttc gtccttatgc tctttcttcc acttcatgcg gcggttctgg 240  
aaccagatct taatctggcg ctccggtgagg cagagcgccg tgggcgattt caatgcggcg 300  
gccngtaciaa gggtaagcgg ttgaagtggg actccttctc cagcttccaa cgtncctggg 360  
tancccgctg taaggttttg gcgggccccg gtttctgtgt caaaggctcc tnaagaacgg 420  
aatccagggt gtaaaatgcg gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 1202  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 1202  
tatggtagta acagtttcat tcagttttgc attttaciaa tttaaaciaa agtctttctt 60  
tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120  
tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180  
gacacaaaca ctcccttagg accttcgtca gaaactccac cctgtgtgtg aatctccttc 240  
ctctctctct ctccggagat gccacccgaa ttcgaatgtg actgtgtgtt tctgctgaga 300  
ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360  
gtgaagatgg ttgggggaac tccttaacct ttctgtggaa tgttttgaac gaggacgccg 420  
ggtccttttg ccagtcagga accagca 447

<210> 1203  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1203  
ttttttcagg acacagtgca ctttaatgac atacagcatt taaaatcctt cagacaaagg 60  
tctgaaaaca gtcttttaat gcaagcctaa atcttcaagc acataaaatc tttctttttt 120

aagcttaatt	tcaacatcac	tggaagaaat	acctatcggt	aaaccctgat	nngcattctt	180
aaccacttgc	agccagtgtt	catgaggcaa	aacgtgaccc	agagactttg	ttcaagttct	240
cctcctaggg	cgtctacatt	cacggcggtc	actccgtttc	tgtctccttt	tgtttggcac	300
ctgctgggtg	gaggatcagg	gcttgcagaa	tgtccgacag	ggaaataata	cccacaatac	360
tatctgcttc	atttaccacc	accaagccga	tggaacctca	gctcttacta	ttctgggtcca	420
ggatgggtctc	caggaatttc	cagcttattg	gcacttnaaa	aaacntttca	aa	472

<210> 1204  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1204	
acattatttta	cgtttagttt attgcagaga tgaagacagc atactagaag ttggcttcta 60
tttcacaccg	ttcacagcac tcactctgtt ctccattttca tccactcacc catgcaaaag 120
gtctgtacac	gcaatgatgt ctgatgtttc ttggttttcca tagtgtaaca ggaaacttga 180
cattttcaatt	aaaaaggtaa aatgaagaca ttaccatca gactataaaa ctctcttctc 240
gtaagagaat	actatagtac ttgaagatat gatttgaaaa aaaatcatgt accaaatgan 300
aggggcacca	tttcaagagc actaggacta catt 334

<210> 1205  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1205	
cgctccaaac	gggtcttggc tttaatgtgg ttttcttcaa acccaaattgg ctgaacattg 60
ctatgaacat	aggtcatgta tattgagaca ctgattccgt tttatggagc cctgtgggtc 120
atgacagggt	aacgagaggg cacgaaactc cagtgcgacg tgctccattt tgaaagcaga 180
taaagctccc	ctcatcagag tgaagaggaa agtagccctg ctggaataag gggagagcgt 240
accgcttgaa	gacagggtgc tcagatgttt tcattccaag caagacagtg ataacagcac 300
agcactgctc	ccatccctgg cccctttcct ttctcactta ctagggtttt ttgcttcatg 360
caaactctgt	ggctggactt tgagggatcc agaatttagg atatagggcg ggtccttcac 420
gaggggaagt	accgtgggtc agccaaaaat cacaagatct cctcaagatt ccagaatgta 480
ttccaaagct	gttgtacccc ttntccctcc accgggtccc ctttgcaagc t 531

<210> 1206  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 1206	
ctgaattaaa	gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60
ccaaaccctt	tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120
tacagccagc	tagatcgcca atttacaat gagttaagta agtaccataa gtttgtttga 180
atatcagggt	cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240
ttcacaaaag	ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt 300
aactttcggt	ctcttgctta ttattcata tctgaggttc actgtttcta ctaggatata 360
ttccgcccac	accacacct c 381

<210> 1207  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 1207

DATE	TIME	LOCATION	REMARKS
1941.10.10	10.00	10.00	10.00
1941.10.11	10.00	10.00	10.00
1941.10.12	10.00	10.00	10.00
1941.10.13	10.00	10.00	10.00
1941.10.14	10.00	10.00	10.00
1941.10.15	10.00	10.00	10.00
1941.10.16	10.00	10.00	10.00
1941.10.17	10.00	10.00	10.00
1941.10.18	10.00	10.00	10.00
1941.10.19	10.00	10.00	10.00
1941.10.20	10.00	10.00	10.00
1941.10.21	10.00	10.00	10.00
1941.10.22	10.00	10.00	10.00
1941.10.23	10.00	10.00	10.00
1941.10.24	10.00	10.00	10.00
1941.10.25	10.00	10.00	10.00
1941.10.26	10.00	10.00	10.00
1941.10.27	10.00	10.00	10.00
1941.10.28	10.00	10.00	10.00
1941.10.29	10.00	10.00	10.00
1941.10.30	10.00	10.00	10.00
1941.10.31	10.00	10.00	10.00

<211> 346

	DNA	Homo
<212>		
<213>		

<213> Homo sapiens

<400> 1208

<210> 1209

<211> 403  
<212> DNA

<212>	DNA
<213>	Homo

2101134

<400> 1209

$\langle 210 \rangle$  1210

<211> 296  
<212> DNA

<212>	DNA
<213>	Homo

2015/01/27 11:00 AM

<400> 1210

 $\langle \underline{210} \rangle$      $\underline{1211}$ 

<211> 348  
<212> DNA

<212>	DNA
<213>	Homo

**Figure 1**

<400> 1211

$\langle 210 \rangle$  1212

<211> 504  
<212> DNA

<212>	DNA
<213>	Homo

213/ None detected

<400> 1212



gggggccagg	ctgggcccta	gcactcccgg	cagtggaaag	gcagagctgg	ctgccagctc	180
tggcctccgc	ctgggattca	ctcccatacct	ggctcagatc	tgtggctgtg	cttcacccag	240
tgggtcctcc	ctcaaggagc	caggcgggat	ctggaagggt	ctgcttatcc	ccaccacaga	300
acgcagactg	ttgctgtagt	aacagaggag	aaactcatct	tcagtggtag	ggatattgct	360
gatgtcgatg	taaacctggt	tcagattgtc	gctgcaggag	accttgct		408

<210> 1217  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 1217	ttgagcagga	gtgggctcaa	gttttatttg	gaatcattta	aaaaaaaaat	tcacagcagc	60
	ataagtggg	tcagaaggac	cagaggggtg	gtggggccga	gggagggcag	tgaggttggt	120
	gcagcagcac	aggtggacag	gccaagggtg	gccaggaaga	cgagggcagg	agcgtgggca	180
	gccgcatgtc	actcaaggcg	ggcactcctt	gtgctaggag	gggatgggtg	ccaaggcaga	240
	ggagcgtc						249

<210> 1218  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 1218	ttaaagggtg	agacacgtct	aaccagttta	atgacttcga	aaccgtgcaa	atgccaaact	60
	atggagcact	agggatacaa	gaggcaccaa	ggcctggggg	gtgggggtg	gggacactac	120
	aacattgtca	tggggaaaac	gggatcacct	aatattggtg	ggggaaaagg	gcggtccact	180
	ggcagctcag	aactatgaca	tattcctcag	gggagcct			218

<210> 1219  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<400> 1219	tttttacaaa	gaaagaacag	cggacgaagg	tggccatttt	attttctcaa	agccacacta	60
	cctgctgcta	cacaggacat	aaaagtgcaa	aattccacca	ggaagggaaa	caaaacagtc	120
	ttgagacagc	catgtctcag	aggtgaagat	tggaggagat	tttaatatag	ggtgtgaatt	180
	ccaattcaca	tctcttccaa	cgggacctct	ttccgaagtc	ccgggaacta	acattcatca	240
	acacctctga	catcccagag	gatcgcaaca	ttcctgccaa	gggttattac	tcccatttcc	300
	cagatgaaga	gattgagtc	ctgcagcacg	caattagaca	gtagcag		347

<210> 1220  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 1220	tttcagatca	cgacaacagg	taacctttag	tcagaactca	ccaccactg	tgттаagcct	60
	tacatgacaa	tcaccatgaa	gatttacata	cacatgttat	atcatagtct	cctcacaaca	120
	tgtctaagag	gtaggcacgt	cattgttccc	attttgcaga	tgaggaaact	gaggttcaga	180
	gagggcactt	ggcttgccca	aagtcacaca	gcagggagtg	gcagaggaag	tcaggttggg	240
	tgacccagtc	aactgctctc	agaggctggg	tgatgaccgg	cttcctggct	tctctggaat	300
	aaacctttgc	caccacttcc	tgcatttcag	cttcagtaca	ggcagagaat	ggggataggt	360
	gggggaatga	ggtgagaggg	gagatgttta	gaggtg			396

<210> 1221  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 1221	tttttttagaa	aagaagttgt	ttttatttta	attcaagagg	gttggaacaa	taaaaacagt	60
	acattttcct	tgcaaaaaat	taccccat	aaattactat	ttggtacaga	gattatttat	120
	tacactgcat	tttaggcaat	tttctaacat	taagtgacaa	gttatacttt	tgattttttt	180

tttcacattg gagctattat gatttgcact cataatacca aagctactga actcaccaat	240
ttttttctta gtaattaaaa aaaagcacac agaaaaatata actacaatta gattaacttt	300
atcaaaaagta actctttcag accaaacatc cagcaaaaac	339

<210> 1222  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 1222	
tttaaagttt ttttcagttt attattttcat gatccctagt caaacactga taccctaaaa	60
taggattttt cttccttctt ctgaagatta tttcaaaaaa tccaagagga ataacagact	120
ttctggatgc tgctctacca tgttcttctg ttaaatacaag ttccttttcc cgcaattgaa	180
ggatgttgca gatgtgaaac gtgtggtaaa gaacattgtc tttgctttca ggtccacact	240
ggccctttct ggccgtagct ggtactagat tttgataaaa gtatcctaact actcagggac	300
tattttctcaa agaccagaat cccaagagcc agagactgga tgagagacac caagcacaag	360
acagcaat	368

<210> 1223  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 1223	
tttttttttg tagttcagaa gccaacctt attttattaa aatgtgtaca agagatgggg	60
aagggaaaagg accagactgt actgtggcca tgtacacaaa ggcatgcacc acatcccagc	120
tctgctgcc tgggctgtcc cacaggcagc tctctagaac ttgagagcct caaaaggggc	180
ctcatgaagc ccagatcttc cctgggtcaag ctgatggcat tegtataact gaaagttggg	240
gaagaccacc aggtcagtggt agtggagagg tttgtatat ggtcttcttt gaagaaactt	300
acttcttgca agccctggca tcttccaatt ggctgtc	337

<210> 1224  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 1224	
tttttttttt tttttttttt ttttttgtaa tttaaacttt atttcatatc tattgttaaa	60
ttacacaaaa tcaagtgaatg gtttgtaaag ctacaccaat ggacagatgt ttacagttga	120
aatcatggga tttacataat ggcaaaaatg tatatgtata tttataacat cctctatata	180
caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc	240
aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct	300
ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg	360
aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac	420
tctaaaacac tgtgact	437

<210> 1225  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 1225	
tttttttttt tgtttttggt ttttttgaga aagaggggtt atttagcaca tctcagagtt	60
acagctctta cagaaagaca cttgtctagg cacagcaggt gtgttcaaat ttatatgaat	120
gactacttga gttcagacgg gattacgttt ttcttgcttt tgacttatat tatttcacac	180
atcttgaatt ttagagtcta ggcttacaca tctgccagtt tcttggcatg gcttgcttaa	240
tctgagcttt caaacttcag attaacctgg actgaggcta agagtttata a	291

<210> 1226  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 1226	
tttttcctgt tacgccgtca atgcagcagg caatgagggg aatgacacag ccctctcatt	60

```

cccggaacgt agtcaatctc ggctctgcgg atttcacaga acacactttg cctattgccg 120
gctccaacaa gaagtaactt tccaggaagc tgccggcccc ggacgcgcca ggatcgctgc 180
ctgcgctgcg ctggccgccc gggattcacc cggggaggcg gggccgcggg ggaaggctcg 240
cggggaatac agcacacttt cccctaaatc cctcgtccgc gccgagtga gggctctcag 300
agttcaccta gtcccacctc tcaccacaaa cagtttataa atggggaagg tcagacaagt 360
tagtagcaga gctgggtcta gaaccagga gttcgaatgc aatccgaggc tcatatcgag 420
actttaagtt gtccgattcc gaagtttatt tg 452

```

```

<210> 1227
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<400> 1227
gacagacatt caagacaaac tgtattggaa atacaataat gaattttggc ctgatagccc 60
tcatgctgtc ttatagcaaa aactaaaaat tcatgcaaca gagaaattgg tgacatgagg 120
actttttctc cagacttcct ggggaaaaac tgtgagaata tacttttttc ttctgtttgc 180
tttcgaaatg cattctttct tttgctgact ttcccaaact ttcccagtcg tttctgatga 240
aaaattcttc aataggaaaa gaccaggtaa acttacatga aagacatcaa gtatcttttg 300
agtcctttct ctctgccaga ggagcaatca actggattac acaaaactac cttcacaact 360
aaaacaggta gaattggaac aggaattagt tgtcattaat atactcgtaa taaaataaag 420
cttgttctga aaccacaagg ggt 443

```

```

<210> 1228
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1228
tttttttttt ttcatgttac aatatcttta ttaaagaaat gcattccagc aacactgtca 60
gcatctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120
gcctttgcaa aacaaatgga gatatatcaa ctctcataca attctaaaag cattgtgctg 180
tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaatagga 240
caattgttca ctctgaggct tctggcttct tatctctcct ctcttgggga gctgctgctt 300
ctctgtaggt tgcttccctg tgacgcaggg accatagttt ctgctctaata aacacctttt 360
ccactctgac gtagctgagc catacactac attgccttag tcctgttcac ctttgggtga 420
ttctgttcca tttgccacct ggcctcttcc tcc 453

```

```

<210> 1229
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<400> 1229
ttttttgagt gaaacacata ctttatttct gtataaagat tctttccagg agaccaggct 60
ggaaaacacg gaaacctcag gaatggcccc tctccactta tactcctctc ctcaaaaatc 120
aggccaatga ggtcagttcc tgagtccctt ttctccagga ttccactcag tcttgtctc 180
ttagtgctct gttgggggat aaggaggaga aggactcttg ttctctagct tctccgataa 240
aggccccccc accgcccctc aattactgtg gtctaggaac tgtgagttca tgatatacat 300
cagggtcctt cctgagaaa gcatgaggag gaagaggagg aagagattca cacaatacaa 360
atatcacagt gacagcaatg agatctcaca ttttggaagt cacgtaacaa agatggttcc 420
ttgatatttc atattctatt actactggac attacaccaa gtaaacacac ttggataaac 480
acagggtgat gcatttctag aataagaatg tgacccatgc acagtacaaa tcatgggtgtt 540
t 541

```

```

<210> 1230
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 1230

```



tttaacaatt	gcaaagattt	tatttagcgg	ctttctgtgc	ttggccttag	aaacagagtt	60
ccgtgcataa	gggcaaattt	ttgtacacct	tttcttcata	catattttac	ataccctttt	120
attgccccct	ttttcatatt	cataatattg	gattccccac	taggcacata	aatacattta	180
tctacaacac	ctcaaaacca	gaaactttta	taatatctgt	attattttac	ttggtattat	240
ttgcatttcc	acaccattta	aaaatttttag	cttgcaccaa	gcttcacttg	ctttcttacc	300
attaaaagat	ttgaagggaa	agggaaagat	gaaggacaaa	acccaaaact	tcaaaatgca	360
atgtactatt	tgataaaaat	ggagatctaa	gggcaggtag	aagggatatag	aagacccatc	420
tg						422

<210> 1231  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 1231						
gagaagtgtc	agtttaaatga	agccagctta	tcagcagggc	ggcggagaca	cctgccccct	60
cgaggtgtg	cctggctcgg	gctaaagtgc	ctgtgcagaa	cgaggctgcc	tggcgggggtt	120
aggagtcggc	gccctcgtcc	tcctcctcgg	gcaggatctc	caggctgctg	tcgggctgcg	180
gggctgtgtc	cgtcgagggc	ggcgggggtgg	g			211

<210> 1232  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 1232						
tttttttttc	agtgacttat	caaaaattta	tttcatataa	taaattatat	aattttatttt	60
catctttaa	cagtctacac	cgaaaacatt	tttggaacaa	tcttttcctt	ttggtaaaac	120
aggtttagcag	gctgacatca	gcttcatatt	ctcatggcta	aaatccccca	cggttataca	180
gttaagcata	gcctttcttt	gtattttctca	agttgacacc	acttgatata	aactcagaca	240
atataaacat	ttctagattt	tgctaaggc	cttagcttta	actgcagagt	agtgagtagg	300
aaatta						306

<210> 1233  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<400> 1233						
tttttttttt	tttttttttaa	tcagttaact	ttagttaaat	gagttttattt	gttcctttttt	60
aagaacctgt	tctaaaacac	tgcttcttaa	agttcaatga	gcatacaaat	cacctgagga	120
ttttgttaaa	ctgcagattg	atttagtaaa	tctggggcag	gcctaaagtt	ttgcatttct	180
tttttttttc	tttttttttga	cccaggatcc	aaagcagtag	agatttttgca	tttctaaaaa	240
agttccccggg	tgatgctgat	ggttctttta	ggttctaaag	gggtgttaaat	tagccatgac	300
tcgaattagc	agaaaaaggg	atgaaccaac	tgtacacata	atccaaaagc	ccaggggtag	360
acctcaggca	tggctggatc	cagagggcca	cataatgtta	tcaggaaata	tatttggccca	420
tttctcaggt	tggacttctt	ttgtgttaat	ttcattccca	agcaggctct	ccccagggtgg	480
tggcaagatg	atcgcattag	ctcaggctac	atctagcagc	tcacaggaac	tcattccaag	540
tgctagaagc	ggctgcatca	ctgacaatac	tgtgccgggg	gaactcttt		589

<210> 1234  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 1234						
ttcattttgc	aaatttaatg	taactctgat	acccaaatat	gacagcacac	agaaagcaaa	60
caataaagca	ggaacagcaa	acagattttt	ccatcacatg	acaccctcag	ctgattggcc	120
ataactgect	tgactgctgt	gtggacaaaag	attccaagga	tgtacttttg	ctccatggga	180
aggactactg	caattttatta	gcggtatctg	taaacatggg	gaataaatct	gaaacctcac	240
tagccatacg	agaagccaca	ggcaccaaga	ctggcggctc	cactgccaaa	gccagcactg	300
gtgctcggtc	caccaccaaa	gccagcacca	gtgttttggtc	caccgccgaa	gccagctcct	360

gtgctcggtc caccgctgaa gccactggtg cttggtccac tgcagaag 408

<210> 1235  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 1235  
ttttttttat agaatctagc aattaccaag acatttatta gttgtcaaaa agctttacaa 60  
tcagtttcat gatcagaaaa tagagcaaaa tttcaatatt gttttcttta taaaattgat 120  
gaatttctga aaagataaag gatcatttga tttttaaaaa tgtcagcttc atcacatgat 180  
gttccagaga tctgacccca aaagcttctc aagttttact atccatagtg tccttatttg 240  
taactgagac ccatccgta ttttccatct gaagcttctt cagcagttta taacaaagtg 300  
aaagaagttg gactaagaga gccatcatgg atcttgtctt cgtaatacac ttgtcaacct 360  
ttagaaatac tttattctgc aaagaagtct tagttactgt ctggagctgg tggcatagag 420  
gaattagctt gtttatttc 439

<210> 1236  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 1236  
gatccctgaa gttgccctgg tctctgcacc ttctaaacct agttcttaag agctttccat 60  
tacatgagct gtctcaaagc cctccaataa attctcagt taagcttctg 110

<210> 1237  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 1237  
gatcaaatta ttttcttttt tgttgtttac cctatcctca acaacatttt tagtttaaatt 60  
tattgtagag attttttttg tgggtggttat tttttatttt gctccaaaat aataaggtgc 120  
aaagctattt tatgcttaac tgttgcctcg tcaaaacagc tatgcagtgg agttgcattt 180  
gatgttctag agtttgatta catgcagagt tgtatatagc caaaacttct cttatcaaac 240  
tctgttatgt aggcatattt atatatacat taaagactgt tgtactgtgt ctc 293

<210> 1238  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 1238  
gcataaaaaa cacaatgvtt taatttctaa agcacttata ttattatggc atgggttttgg 60  
vgacagggtta ttatagtcca cataggttaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggatttggc cttttctctg gaaaccatat tyyccctttt ttaataatca actaagatgt 180  
atatgtaaga crgcctcatc ttttgatttt taatatacaa gatgcttcc 229

<210> 1239  
<211> 286  
<212> DNA  
<213> Homo sapiens

<400> 1239  
ccactccatt gttttattat gtacaaacgt tacagaacgg gggggacaga cacgsgtggg 60  
gtaagavggg cctgggggga ggggttcaca gagcagacgg tgcactggga ccaggggagc 120  
agaacacagg ccataactat agggcaggtg gggcaggaac ggggttaaaaa cgggatccaa 180  
gccagccaga tcgaaggagg tgcggggggc tgcgtcccctt ctgttctccc cccaaggtca 240  
cagtgcattg aataaaatat atatacagg gctagaccgc tcctct 286

<210> 1240  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

```

<400> 1240
tttttttttta cantaaangt gatttttaatt tttgacattc ctgggggtgat attccttagg      60
taagnaagta gnactgtggt aaattcgcac accatgggca ctgcttcctg aggcagtaat      120
tntcttcaaa gccttttcctt ccggtgttcaa tactttccac atttgtgcgt ttgaatggat      180
ccatgtgttt agaccattat tttactaaac acaaaatcat ttggcacaaa aaaaaaaaaa      240
aaaaaacctn ttaccatact tntctggtca tacaganttt taggcaccnc agta          294

```

```

<210> 1241
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1241
ccctttcnta nnaaatatct ttaataaaaa taggtttctg cagaacaggt tataaaacag      60
gaatagcaaa ctcaaattcc tgccaccag gcagagacga gtggagcagg tggagggggg      120
ctaacggaga gccagagca gcaaccaaca cagagggacc tggtcattga cttgtgggtt      180
gcggtcatct tttttttttt ttttttttgg gacagagtct cactctgtcg ccaggctgga      240
gtgcantggc acgattcttg gctcanttca acctccacct ntcgggttca agtgattctc      300
ctgcctcagc ctcccaagca gctgggacta cagggtgatg ccagtacgcc cagctaattt      360
ttttgtattt gttagtagac atgggggttt caccatnttg gccaggggtg gtttnccatc      420
ttttggaccc cgngaccgcg ccgttngggc tcccaaagtg ctgggggtg          468

```

```

<210> 1242
<211> 515
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1242
gncnnancng atggagtctt cctctgtcac ccaggctgga gtgcagtggg gcaaccctgg      60
ctcactgcaa cctctgtccc ctaggttcaa gcgattctcc tgtctcagct tccaaatttt      120
ataaaacaat tttacatttt aatccctgtt aaaggggtgaa aggactcaga actttgacgc      180
ctgagaaaga gttgcagggt ttgggggtgat ggctcagaga agttttcgga aggagatgag      240
gtctcctttt acatgtttta gctactaggg acgaaagagg ccacaaattt gttctgtgtg      300
accccatggg ggccggggaa ggaaatctag gactnactgg gtgggaagtc atggggcagt      360
cagatgtggg actcaattta gtgtaaagag ggacttttga atagctnnga gcttttccac      420
agaggtcatc ncgggggnacg gtnaccctca gcatttgga gccatcaagc accaggttac      480
agaactcaac cgggcttttt taaaacggtt ttaag          515

```

```

<210> 1243
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1243
agaacaataa cattcttttt aattatgaat ctgcatatta gagcattggg ggacagctag      60
tctctgctct acttggttcc agctgaggtg gcttgagggt tgggagtcgg aatcatctga      120
aggcttgctc gttttcacgc gtgggtggtt atgttggttg ttggctggag cttcantgac      180
tacagctgga atatctagtt gtggcctttc tatgtagctg cttggattcc tcacagcatg      240
atggctggat tccatggggg gcatctcttg aaggggttag tggcaaagtt tggaagagca      300
tgcaggacca gaaatggtgt tattgggtct cactggaatt tatggtctct gatcattcct      360

```

gatgccattc atgcagttct ggtgtggatg gtgtcatccc tttgcaaccc tccccgattt 420  
 ttggaagctg agaggcacat ctcatctcat gggcagtttt ccttccccca gctcttgc 478

<210> 1244  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<400> 1244  
 taaggaaaac accatccagt ttatTTTTtct cctgattcat ctcatgccaa cacacagact 60  
 tcaatggaca gcaggcaaaa tggggaggca tccccagagc aagccgattc tctacacact 120  
 gccttccctt cctgtaagac tcatcaaaaa ggcaccccaa ctttgcatgg atctgctgtt 180  
 ggtattcctt ggggtgaagc cagaagtcag gctttccaca gagagacggg actacatggc 240  
 cacctgggaa ggctagggag tcaaagggcc tgaggaatga ctacttcctt ccacaagggc 300  
 attccctgcc ctgctctgct tccctggggc ttcagcaagc cttccttcta gagctcctag 360  
 aaccctccca tgggtcaacac aacagcagcc cagacaatga gatgcaagag gcctgagctc 420  
 acaggccatt caggttaagc agggtagct gggcagctag atgaccaat tttcagtcca 480  
 gaaagctcta tctgctggac taatacttcc 510

<210> 1245  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1245  
 gtttgtttat ttttacttta ttatTTTTtct gaatactgac aatacacagt tggttgaatc 60  
 catggatgtg gaacctgtgg atggaaagag ccaatttctg agggtaacaa atgggaaaat 120  
 gatttcgttt gagtctaaga ggttggcagc nttccaattc cctctngct gagtgtagcc 180  
 aaaagaagtg aatggttagc acagggcttg gaatacccaa gtcctcaaaa atggttgagg 240  
 gtatgagaga aggggtaatc ccaagatgag gtccctggag aaaggancct acagttaagg 300  
 gccacagcag gccttccagc caaagatggc cagctattac ccacttcctt tttaatccag 360  
 ggtangtaga tgggtccatnc ctaatgntaa taaggngggg aaaaaag 407

<210> 1246  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 1246  
 ccatttcaat ttgtatctgc tatectatTT tttttttttt gtatttttTgt attttttact 60  
 ttcttttatt tgcaataaat ggttTgtggat tacttctgga aagcagtaaa tcttaaaatt 120  
 gacccatagc catttattcc taagaacata aaaaatgcaa agatctaaaa aattaggaga 180  
 caattcaaaa ccaatgatat aatttaata tgttttTgtga agaacagggg tgcattgatc 240  
 tgtttttcat atcctctcat ttgtaggcag aatgtgtaaa tcatgtacaa gtgaaatgta 300  
 tcttctttTg tatgataaaa ggcaaagtgt cagcttggtt gataaagcag ataga 355

<210> 1247  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1247  
 caagccatga aaagcctttt aatgacaatt ggcattcacag gtataaataa atatcttctt 60  
 ctttccatct ataatatgtg ctacaaatat atttttcaaa ggtccaaccc aggttaggag 120  
 gcttcaagga ccctttctta gctactgatt ttagtaatta aaaaaataaa cacaataaac 180  
 acccctggca tctttgtgag cgccccctg cgagagcat cgagggtgt caggcatctt 240  
 cctcctgcag ccgcagccaa tggagcacac ggagaactgg agtcaggtga tcacgaaggg 300

gcttattttca ctgggcgtgg tctacgttgc cacatgtgtc gctttgggat gaatgcattt	360
tttncaatgt gctgcttaca caattatgct ggttccaaaa acacagttgg attggacaat	420
ctaacatagg attttaatcc ttagaggt	448

<210> 1248  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1248	
gcagggtggg atgctttatt tctactgtggc ggggagggaa cctggacagg gggcggcagg	60
cggggtgggg ggctgggnact caggcgggga ctaggcaggg gaagggctgc cccagnctgt	120
tgaggagaaa ctgaggccag ccctgnggaa ganctagccc agcngggtaa ggaggggtggg	180
ggaaaactgg gtctgaagga atgaggggccc cctccctctg ggctttcctc ctagagggcc	240
tcagtccctc ctg	253

<210> 1249  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1249	
gttttctcaa ctttattgtg gacaggagaa gggtaagtag acttgaagggt tttttatttt	60
ttaatgaaga aacaatttat cctgtgtttg ataccagatg agactgtaag ggtcacatac	120
tccttaagcc tacacatcaa ttccagggtga agtgcttcag gcttggtca ttengacacc	180
tangaaccga anaangggcc cntgnnggnc angggttggg aagnccctgtt tttgccttag	240
ngccgtgcag gtttggggca ttatataaac ttttacaggc ttgctgaagg gaatggtgcc	300
ctcgatgctg gtttcacact gtggtgacat ctcaccaccc tccatccagg ggcatttttg	360
aatgcgagca ctggagttgt aggccagcag cagcctcact tccacctggg catgcctctg	420
gtccaagcgg tgtgggtag ataaacctga gtgatgaagc cgggtgccgc ctgggc	476

<210> 1250  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 1250	
aatgtacatc atatttttta tagaagtgat tatatcacia agaaaaatcc tgccaaacaa	60
ctacaaatca agaactctgtg ggcaaaaagc tcaattcata caatgtaaac acattgaaaa	120
aacaaatgca aaataaaaaa agctgttgat acatcacctt gaaaaattaa cacaactaaa	180
ttaagggcta tagaaaatgt gttcagctta tatatcatac acgtcattta acttgaattt	240
tacaattttt aaactaatag aattcagatt tattacttga aataatggta taccagctg	300
ttcttcataa tggcaagcat attccatata caatacaatt tatttagcat agttttatac	360
tcttaagtaa aatatgttag tggattaaaa gcataaagga ataaatatgg cccagc	416

<210> 1251  
 <211> 144  
 <212> DNA  
 <213> Homo sapiens

<400> 1251	
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata	60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact	120
ggagcagggg gtgaaacccc gga	144

<210> 1252  
 <211> 473  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1252  
cgctcttttac tttttattca ctcacaccca ggttctttcc acaaaggggt caaggtagtt 60  
acaagaatta ctactgtttg gcgtttgctg aaagaagtac gtgagaatat tatatgcttt 120  
agaaaccaca gagtcgaagc ctgtcatcgt cctcatagac caatgagtag ccacacgtac 180  
ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg 240  
ctcggcctgt gcacgtcacc ggctcttccc tagggtagct tttgcttgct ttctcccacg 300  
tccatcctct ctctctctgg actcacagcc agccagggtt ctagccttgt cattcctaaa 360  
actactgcct caagccaggc ggggcgaca caaacttaaa atgctaattc ccacagcggc 420  
gtctggacta atgggtgtcc cccaccgtgg gaatgtatgt gagctaaaga can 473

<210> 1253

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1253  
agtctagatg aatttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60  
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120  
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180  
gatgcagccc tgggcacact tggcacagcc cacaggngang caggagcag cagctcttct 240  
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300  
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360  
tcaagaggaa aacacgcagc gggacagatt ctctgtccga attcttggc 409

<210> 1254

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1254  
ctgattcagg atgttcactc ctgtgttatt tattatatag aaagatcaag gggactgggt 60  
aaactagaca tatcacatcc agccgtgct aaaaactaaa gggaaatagt aggtgacaaa 120  
agcaggggtc ctgaacagtg gtgggctcag gggattggag ttttttccct tatgtttttc 180  
tgtattttcc acaatccacg cttttcattg ccattccatc agatgatgtt aaggaggaac 240  
acagatccag tcacctgagg ggatacttcc tctctcaggg tttagaccaa 300  
catgtgggtt ctagtttccc ccagncccaa agctnttccc tngcaaggaa gagatcagtc 360  
ttttgagcaa attttggctc aagactaaag acacagaagg cgaggctcct gcatgcacag 420  
cac 423

<210> 1255

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1255  
tttttttttt cttcttccct tttctttccc cttttaaaact aagatagcag taatgcatct 60  
ggacgtttga cttctaatag cttcctgcca cgaaccaatt gacacaaaac agaatagctt 120  
gttaaaggac agattttttc ccccttcagg gagncaaagc attaacatgt catttctga 180

```
ccaggatatt aaatagttta tttagaagaa atgagttgaa gtgagcgtt aagagacaca 240
aactggactt ttgttttctt ttactgtagc acccagggtt catgtcagtc tgtgtgcacc 300
gaattttttt ttttaagttaa cctcattaat taccagctag gtgggtggct tgtttaaaag 360
aaaaaaaaatt cttgggcca cttgttcctt cctggaatcc taacaagaag ttaaatgcta 420
acagtgcgat gccgggggtgt gtgtttgagg ca 452
```

```
<210> 1256
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1256
ttaacaggag acaggggttt tattattact caaatcagcc tccctgaaaa tttggaggct 60
aggggttttt aaaggtagtt tggcgggcag ggggttgagg tagagcaatg tcatttagct 120
tgctcacttc catctgccag tttggnagct tcttggtga nagatggcgc cgggcagct 180
tggtcaaatg gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240
caccctgtgt ggttcgcctg tgtctggaca gttcancaga acgggcaaa 289
```

```
<210> 1257
<211> 111
<212> DNA
<213> Homo sapiens
```

```
<400> 1257
ctattttttg tataaacaat attgcacagg tttatttgcc acctccgctt cctccctgcc 60
tgctgctgtg tgcccttcca cctgcagctc aggggagggc ttctctggcc t 111
```

```
<210> 1258
<211> 399
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1258
acacgttcag gggcctttat tactgcgggg ggtggggggg ggcgggggtg gttaggggag 60
gagggagact aagttactaa cagtccagga ggggaaaacg ttctggttct gcggatcggc 120
ctctgacca ggatgggctc ctagcaaccg attgcttagt gcattaaaaa gtggagacta 180
tcttcacga atcttgcttg cagaggttaa gntctgtctt tggctgttag aaaagttcct 240
gaaggcaaaa ttctcataca cttcctaaaa tattnttgcg aagagtaaaa cgttcagcaa 300
acacattnat ttggaagtgc cagtagttaa tgccctggga ntttttttgc aaggtgaggt 360
tttgtctaaa ggccccanca gggcacaatt atctccng 399
```

```
<210> 1259
<211> 423
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1259
tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60
caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180
acactcaaat gataaagaan tacattgaaa tctctacaa aagagatctg aggacagtan 240
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
agggaaactg aggtctcagg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
```

tgg

423

<210> 1260  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1260  
ttttacnnnn ctttggattt tttattaagt tctgcaataa ataatagggt tataagttca 60  
ccctgttggt gancatcatca gtggtcgcca agtaagaggg tgaatcactc atcccaagag 120  
actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
taccntgcc acactgggca 440

<210> 1261  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 1261  
tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60  
atatttgtcc ttattgactg ggtctcctta attaattgtac acatgtcatt agaattgcaga 120  
cggagggggac tcaccatgaa tatctggggg tgattccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgtcc ggatttactt c 211

<210> 1262  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 1262  
ttttttttt accccagagt atttttatta gggattcctg ccaccatatt aacatataaa 60  
acaatctgga tgttgacata gaaatgcaaa ttctactata caaaggtaag gctccaatca 120  
cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180  
ccgagttgtg ttataaata ttagacaaac caaaaatat attccaaata cataacattt 240  
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300  
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 1263  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1263  
gaccagtccc cccaccattt taatgcaggg gtaaaactgag gctctgagca ggccaggggtg 60  
gagtggaaac acctagagga agttgataag tcagcaagtc ggcagcagag ctgacaagct 120  
gggaccaggg gctgtctcct ttatgtcaaa tgggccagcg tgacacagac tgccccggga 180  
aagcctcgga acttctcgga ttgggacaga gtgctggggc agggaggaaa tgtctcctct 240  
tgcttattcc cttggccaac tcaagggaag acgcttctcg gggcctccaa aaccctngtg 300  
ggtngattcc atgtaactca agggcccgagg gctcactggg ca 342

<210> 1264  
<211> 510  
<212> DNA  
<213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1264  
 tttttttgtg tggtagcttt tatttagtca gtcttcattt aaatgtgtgc ttttgaaatc 60  
 actaaatatg accttttcag aattcaattc tcacagtatt tacagtgaac tttgtgcaaa 120  
 caaatcccc tttgtgcaaa gggggagctt cctgtctccn ttggcacatt aataacttac 180  
 aaattcagat cacaacaaaa ccccagactc tagttttctg tttgaaaggt actgagctgg 240  
 gataatgggt tgctaggaaa gagctaattc aagcccaaag gaaataaaat gttttcttta 300  
 tcagaaaaga ataataacaa ggcctcactc tccaaaggaa aacagacgtc ccaagatgtt 360  
 gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcatttntt 420  
 ataactacnc tcatctcttt taattaaata agcgaaacca ggaaagtgc nttcgaaggg 480  
 actctgaact gtcaggggaa cgttntaaaa 510

<210> 1265  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1265  
 gggcggagtc agatcggctt taatagaggg agcctgagga ggctcgnngc tgccgggcncg 60  
 gccagcccc tctacttggt ctgcggctgg cgggtggggcc tgggcgacgc tgggtgcggcc 120  
 tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgcc 180  
 ggcggcaggc ggtacgacgg tggaaactgc gcgcgacgaa tccgtgctca tccgggctgt 240  
 cctcgtggcg cgcgtgcacc tccacgtgtt cgcgccacc cttgacagca atttcctccg 300  
 gcgagaagtg cttcacgtct aagcagcacc gaaaagtngc cgggggtccgt cggnacctgg 360  
 ggcgacgggc aagcgcacgc tgggttgccn gcaggt 396

<210> 1266  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1266  
 gttttttttt aagattccac ttctcagttt atttctggga cttaaatttg gtcagagctg 60  
 cagagaaggg atgggccctg agcttgagga tgaaagtgcc ccaggagat tgagacgcaa 120  
 ccccgccct ggacagtttt ggaaattgtt cccagggttc aactagagag acacggctag 180  
 cccaatgtgg gggaagcaga ccttgagtc aggagacatg gggtcagggg ctggagagat 240  
 gaacattctc aacatctctg ggaaggaatg agggctctgaa aggagtgtca gggctgtccc 300  
 tgcagcagggt ggggatgccg gtgtgctgag tcttgggatg actcaggagt tggcctggat 360  
 ggtttcctgg atccacttg tgaacttgca gaggttcgtg tagacacccg gtctgttggg 420  
 ccgggcacaa gggtaatctc cccaggacac gaggccctgc agggagccat tgcagaccac 480  
 agggccccca gaatcaccct ggcaagagtc tctactgctt tgtcaccggc gcagaacatg 540  
 gtgtcactat ctgtctcngg taanactctc gcacttttct gactta 586

<210> 1267  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1267  
 tttgtcattt catttagttt attagacaaa aatatatgat ttagacaagt tcgctgacgc 60



caaaagcacc atcaaaacct taaacc

386

<210> 1271  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 1271  
aatattaaac caataacttaa gttcctttac tcattgttga gacagactat tagtgtaggt 60  
gtactttcat ttatatgttg taccaataga gggtaaaagt atgaccctat cggtaatctt 120  
tttaagcaaa taaaactgtt tggatgcttt cccaggacga ttggattgcc ctccaggcgt 180  
atctcttcaa tgcgggtccc gatgtaactg gtgtcattag ccttgcagaa tgtgtcatct 240  
gtaattgaag ctatgttggt gaactgaaga tgaattacac gtagactttc tggtaaatta 300  
agaggcacgg attccagggc attatgggtc caagtacgag gaaggtaggg ttattcagtt 360  
ttttgaatgc atttgctttg attcccctac tcttgatttt gtt 403

<210> 1272  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1272  
aaaaaaaaaa caatatttag tctttctggg atatcagctt ctgcctaaat tgtgagaggt 60  
gggtgtttcaa aagacacacg caccagtggc cccggggaga gctgcattcc aggttcctgt 120  
cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggcccaagc agcatggggg ccctgagtga 240  
aatggagggg cccacactgc ttccaggaca ggactgtcgg gggctctcct caccctgac 300  
tggcccacag cagcaggctg ctccctggcg ttggcagcag tcgtgatggg gctgcagcag 360  
ctggtgagtg gagtcgtcgg gcagtgtgta taagaaagag ccctcgtccg 410

<210> 1273  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1273  
ttgggtgggta gctaatatgg tatatttatt tcacagtttc acatctttat cattgttttt 60  
atataaaaaac aatgcttaag tgggggtttca gaacagatat ttccttttaa acttttttta 120  
aaaaatcaca aatatgattg gctcatacaa ccacatttca cctcttttca ccagcactcc 180  
caccatttcc cgttagaaat attttgttaa aaaaatcagg tgatcaaact catagaaact 240  
gaattgtgag aagtataatg gggaaaagga atgagaacct gtggctctag gggagttaca 300  
gaagggaat catcttttag agcccttggg ttatttctga caggaaaggt aaagccgtgc 360  
atttattaga cccgggangc tanggaattt aaagatggcg agattgtcta aaataactga 420  
ggctgaactg ggaa 434

<210> 1274  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1274  
ttctggtcat aatgaaacac ttatatacaga caggaataga caagggattt ctgacacact 60  
catgcttttg atgtgtcagt acaagacagt atgtgagact gtgattctgc caggcagagg 120  
ggaacgggca tgatttatct gctggcaaat aagtctccac tataccctaa tcattctttt 180  
atcctaagtg catcatgatc tccttagtcc tgggacgtca aaatagtcaa ttatgggctc 240  
cttggttaatt tcctggtaaa ttactgctcc caggatcctg gtctgacnga ngtcggtnat 300  
ggggaatcgn tgggtggaggc cgtgctgnat ttccctttca agcanacctg tcagcgtggg 360

aggnggccaa anggatttcc ccctgatggc agtgaccacc acattgcg

408

<210> 1275  
<211> 613  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1275  
tagggggtct gttttataaa tattttctta tcatactttt attataaact tttttagtat 60  
gaaatttgct tcaactgtta caaacagaat catttcctat ggggtcccct ccacataagg 120  
aagttattcc tgtaattact atttttaaat agtcttctta actgtgggaa aactttaccc 180  
tccccagca cgcacacaca tactctcctg tgatgaggct gaatgctatc cagtgcactg 240  
gttcagtcag caatctgccc atgttcctgg gagaaatcag tcccagtcct tttgctgtca 300  
tggtgtctcc agagccaccc ctttctgtaa caagcatttt gaaattcatc catgctcatc 360  
tcatttggat ttcaatgttt cctcccactc aacagccgat tcggagtctt tgggaattgt 420  
tggaatatatt gattgcattt tacttcgaaa gtcgttcata ctgtgaactc ccaaagcatt 480  
ccagactgcg acgaaatcac accaacccca caccatgcat acagggagnc ccagcccaga 540  
gctcgcaagg caaggggnaa ccgcnttccg ggaatgcagc cgtgggcaac ttcccctaatt 600  
ggaccattcn ggg 613

<210> 1276  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1276  
gcgtcgactt gagtctttgt accagaaagc aatagtnctt gcccatatag cgctgatgcg 60  
gaggaagtgc ttgatggcct ggacttcctc tccctgaagt agactggaag cgtgacacat 120  
tccgagccat ccacggaagt gctgcagacc tcgtacacga aaatgtcatc ccgaggcatg 180  
atgtgggttta aaccttcatc catttggaat attttgtgga atcggtgatt atacacatct 240  
gcgaccacca tattttctgc agcaatgcca gacagcctgg agagagcctc gcacaggctc 300  
gacacagccc ccgtcagcgg cacagtcaca cggtagtgag taggtctgca gtgagggtca 360  
gcaggaacca ggaaaacctc ataactcgat ctttcttcaa gggcagtggg agcgttagat 420  
agcaaatggt gtcaaaggtn ccggaaacct nngcaanttt tgggnaaacc aagtngattt 480  
naaa 484

<210> 1277  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1277  
tttaaaaagta tcaaataatt ttattatgaa agataagcca tttattgacc attcactttt 60  
ctaaaaaaac acaaatgtga gaataaaata aacataccta agactnactg gcccctccag 120  
gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnnaatgtct 180  
gaactttctca tacattctag gatttcatgt ttcgttacaa aggaaaggaa actgggctaga 240  
agattcatgt acaagaaggt cacaacttta aagctatctg acgctaataa cttgtacaat 300  
ctgggtttgca aactctgaga gacagtatca aataagcact gttcaaagac tactcccagc 360  
taatccttta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtntctactg 420  
tagcttccgt ttatcccaca gcccctaaanc cctanagtcc catgggtgcag tctccatggt 480





ccttgaagca gttctcgggtg tgtagagtcc acgtgacagt cccacagcc tccccagata 120  
gctgtgtgcc tgnctgctac tgctgtgcc ttttcccaac 160

<210> 1287  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1287  
cagtgttgta ccatattgaa tttatttnat gttaaagaaa gaaatgacac atcgttattt 60  
gtttttcatc cagccccag tctatgttg tctgtgtcag ggattggcaa actacaaccc 120  
atgggccaaa tcccatgcct atgggtgtaa ataaagtctc actggaatat agctctgccc 180  
aatgcattta tgtactgtct gtggctccct ctactacaac tagagggttg agtagtgcac 240  
cagagaccat acagtgcctt gctatgctga gaaatgtttt taaataaaat gaatgggtaa 300  
aatcgttatt 310

<210> 1288  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1288  
atactaaaag ctattttaatt gtatactttt aagtgggtga ctgtatggta tgtacattat 60  
atatatcaat aagctgtctt aaaaaagtga actcaggggt tgcaaatgac cacacatctg 120  
agcttttagtc ccatttcac aggggcataa cctgtggaga aaaatcaggg aattatgcag 180  
tatatgggtt agacaggnaa acattctagg aagancgaga ttctatgtat aanccttaagg 240  
gcaataaagc atcatggaag gttttaagca gtatataatc agatctacac tttagaaacc 300  
ccccaaatca ctgaattgta catttcaaac aagtgaattt 340

<210> 1289  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1289  
gatgtttgtc atttttattt gcaatacttt aggtccaagt ttcaaactgc aatattttta 60  
cactcaagac acagtcacgc acaatccata tttcaatttt ctattgcttc aaccacaatt 120  
taaaataaca atattgaaaa caaaaatcct taaaaagntt ggntgctgag gtcagaagg 180  
tggnaccata ccatcagcag gncatacaaaa gnaataactt acttaaaaat caaacaaca 240  
aaaagncnt aaataccttt aatcc 265

<210> 1290  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 1290  
tttaccagtt tttaaacttt taatgttctg aagtataagt aaacacatct caacagcttt 60  
acatattttc atatatttta ttttttaaac tctcataact ttgcaagcta gcagtaaaat 120  
attgccttca atattttact aattagcacc gtataccttt taaagctaac tggaacattg 180  
attcattata aatgattgta aaataaaatg atcatttcaa atgccaaatt aatctcaaat 240  
aacaagtga ctattattaa ttttatctct ttttttggt ctacgcacaa agatgtattt 300  
caaagatgaa cttaattata ttagtatcag ttttgtcaat ctagcaaata atagtatcac 360  
agtttaaagc aatatttaac c 381

```

<210> 1291
<211> 384
<212> DNA
<213> Homo sapiens

<400> 1291
tttttttttt gtactcttta aatgtacttt taatgtattt taaagaaatt ttaaattgaga    60
tatttaataa tacaagtatt tgagagcaat aaaaaaagaa agtccatata aggaagatga    120
acttagagag agctaccaga gcaggtaaatt ttccagcatt cttccatcat tgttgagaga    180
tgggtatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta    240
gctcaatgca attagctggg aagatcaccg gactcactct tccagggatg actccgtgca    300
cattaggaaa cctgacattg gtttgcttct caatgtcgct ctttgctgtg ggggcaatgc    360
cctgggcaca catattatca gaac                                           384

```

```

<210> 1292
<211> 223
<212> DNA
<213> Homo sapiens

<400> 1292
atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc    60
aatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat    120
acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatatat    180
acgcacttct gggccaata gaagggtgtg aatcaatgtg atc                                           223

```

```

<210> 1293
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1293
tttagccgct caaagaaaat ttattggcac tcggtaaaga caatgccaca aaatgccatt    60
gaaacagata tctgaaagca caagggtgctg atgtagccac tagatgaatc tgttcggtag    120
cagttgagcc cggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta    180
ttgagcaatc tgcaaaaata gatttctctg ctcacacagg acagggtaga ttccagcaa    240
gcataatcaa aatctccaag tcttttggtc aaattagagc tgccaccatg cagcaggttt    300
tacttaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt    360
gtgcagctaa ctctttccac ctctctttgt tctgctgaat gatgtccacc aggttgttct    420
tgaaactctt caggtccact gctgcaaggg agtagtctgg ggaataggna ccatcactca    480
tggaggcctt tgtatttgat cgtctaagtg catcagccat gtggtacccc acaatgtggg    540
t                                           541

```

```

<210> 1294
<211> 445
<212> DNA
<213> Homo sapiens

<400> 1294
tttcaatgca tgaatatattg attttatctt aaaagacaat tatttataac actgaccctc    60
tatcaaaaag aatatgcttt tctgatgggg aagtgacaaa aaaaaaaac tacacagaac    120
aagagtaata agtttctcaa gtaaggattg cactccaata ggaattgagt gattctctca    180
gagagcactc attacatctt agacaacgtc actcttcttt cctcttggcc atatgttcag    240
gtctcatagt ctttctgaac acagaatggc agtggccagc attgtccatt atctatgttc    300
cgcttgttta ctaattaaaa agcttttggtc ttcagtgttg taaacgcaat ttctgccttc    360
gatatcaaaa ggtgagtga tgaagacaaga ttagttgaag gaagtacttg atattttact    420
ccagatagct gaatgaaaat gggt                                           445

```

```

<210> 1295
<211> 445
<212> DNA

```



<213> Homo sapiens

<400> 1295

```
tttttttttt ttagagggttt ccaacacact ttatttttga gaccactggt ttgtagcttt      60
tgaggaccaa catctctatc aattcctata aaatgtccaa tcactttcag ttccgtagca      120
ggctcttcca tactgcacac catgcttatg gctggagggtc cagttacaca tgcataaagg      180
ctgccctgcc cactgggttcc tggaggagggt cgcgtccgag tttaaagcctc ttccaggagc      240
ttgaacttcc caggggtcat ttcctttggc aagaagtcag tttacatgtg cagctttggt      300
gcctgtgagc agaaagcacc agaaatgggc aggatgtgct gctttttctc tcacgaagat      360
gggcacttga ggatccagcg cccttgtgct taatgacagg aatccctcct cattgcttag      420
taggttaaaa tataaggaag cctcc                                         445
```

<210> 1296

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1296

```
gcgggcgcctc cacatgcaca gaatctacta ggattttgtca cggccgggtg gcaccgattt      60
gttttgacta tacaacaaac ttttttttca aaagtatttg ttcagataac ttaaaaaataa      120
tataaaaaata aacaatgaat ttgacttttc ctcaaaataa aaaaaaaaaag gatggaaagt      180
ctaaacaata gcatattttt gaagtacaaa tgaaatgtaa agacactggt tcagcttaac      240
gaaacagatc aaagagacaa gttcttggct aatgctcttc ccagtatcac aacaccaggc      300
cgtgatcaaa aaccaatata gacaagaaag aagaaaaagg aaaagggtggg aaaagcaatg      360
tacaaaattt caaagataaa tacaatattt ataattgata tgttacaaaa taaagtcctt      420
tagcaactgc aagtgttcat gg                                         442
```

<210> 1297

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1297

```
tttttttttaa attaaatcat ctctcttata tatgcatcca tcttttggtg aatacaagag      60
gctcctttta aatatataca ttcagtactt ctacatttat gtattcattt aatctctgta      120
ctgtagtaaa atatgcattg ttttaattca taaggatttc ctggcaacaa tcaggttgat      180
actcactgcg tttgctgatt aagagcttag tgagccactc cagggaacaa ttctcccttc      240
tggatgcgga gaagcccatg agctatttta ggactataat gagactctac tgtgaaagca      300
aaatctgtct aatcttattc ttatcactta catttgtgta atctgtctat ttaagctacc      360
tttgggagta ggggtaaaat gttac                                         385
```

<210> 1298

<211> 501

<212> DNA

<213> Homo sapiens

<400> 1298

```
tcacctcag tgcaaactcg ctggcacaga gatgttcaat gatggcctca gatttcaact      60
cgttgtcaca gggaggacac accgttgtgc cttggggctt ggaggcttcg gtggcattgg      120
gcggcgtcat ggcatgacag acgtccccct cgggagactt gtcacactta agcatctcgg      180
gccagtagaa gccgaagaac tgcatacccg gctcgcacga gtcgcgcacg gcctcgcaga      240
ccagcgacac gggtagatgg gccgggtccag gcagacgggc gcgaagagcg agcagaggaa      300
gacctgggtg ccggcgtggc agttcttgtt gagcaggggc acccagctgc tggcctgctg      360
cttcacctcc gccatggtct cgtgctccag cagggtgggc agcaccatct tctttagacc      420
cacgttgtgg cacagccgca ggtccgcggg gatgttcacg cactgagggtg gcttgggtga      480
gaagcgcccc ctctggtacg g                                         501
```

<210> 1299

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1299

```

tttgtttaaa tgaaaaaaag aaaactgaat atctccatta agaaggcaaa aaagtgccag      60
gcacgttagc acacacctgt ggttccagct actcaggaag ctgaggcagg aggattgctt      120
gagcccagga gtttgagacc agcctgggca acatagtga accctgtctc taagggtgaa      180
aagaaagaaa gaaagaaggc aaaatattag cacagattca ttgtagagaa aatgttatgt      240
atcctcacag actggagcca catacaaaga gataagtagc cttctttccc atgcttccag      300
ataaccagga tgcattctaag gtaagagggt ggaggaaaga agacacattg ctctgattcc      360
aagggttagag ggaataatga ccagatttca accctaagat agaaccctaaa tacttgggag      420
gcttgtgggt ctttcttctt aatggttgat aacacagtgt ccctacagag aggtcatctg      480
aaactcagag gcaataaact catcaggggc agcaacactg gcaacctaac ttagaagccc      540
cgtgtggccc cttttttatt tggagt                                           566

```

```

<210> 1300
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 1300
tttttttttt ttaatcttgc ctttttttta ttcaaaagga tcacaagctt cacatcaatt      60
tggttcaaaa aagacctcat gtcttaaaac taagtaccgt gacatttatt ttgccatctg      120
tgacagtttc acgtcgaaaa agcctcaaca taaaaaaatt accttcaaaa cccactgaga      180
cattctcaca taaactagga tactgcacaa acaataaagt tctttcttca atagtcaatc      240
ttttcaattt catccatgtc ttcagcgttg agttgcttaa tactgctgtt aaagtgggtcc      300
tggattttca tgagcgaggg cagctcatct acttcaatca tgttgaaggc aaggctcttt      360
ttcccaaagc gcccggtccg ccctatgcgg tg                                           392

```

```

<210> 1301
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<400> 1301
ttttttctga aatcattctt ttatttttga cacacatagc tgctatttac tgaacactgg      60
aaattcatga atgcgttaca tattttaaact ttcatagaag gctcagatca acaaagcaaa      120
acttctacag ataataagta gttgtgtatg cttgtcactc ttggggccat cagcacctgt      180
tccctatcat attgctgaac tctgcaaact ccagaaagga aggtttcttt tccaaacttc      240
agagaagctg cagatcaaga atttgggccc ttgcatctga ttagaaactc tcttcttcca      300
gtgtgagaac gttggatt                                           318

```

```

<210> 1302
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
tgaatgatgt gcaacattta atagtcacaa agcatttgct ttcagtacag ataatgaaat      60
acagtagtgt gaggtttggt tgttttttta caatgaattg tgctgggcat ttatgtatag      120
agggttattt attttcttct gtatttctca tattcacagt tgtaataaag ttttctgagg      180
tgtcccaaag atgcaaaagc agaaattttt gaacacgtat tttgagaatt tctgaaactc      240
acataggtac attccacagg gaatatacag aaattttgct tgattgagta tagagttggt      300
aaaaatttct accacaatta ggtttacaca ggaaaatgta aaaaattact attttaaaag      360
gtaacacagt attaatgaag atgtataact atagattggt tctagcttca gaagaggtcc      420
tttcaatctg tattaaaatg ttgtgttttc t                                           451

```

```

<210> 1303
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 1303
tttgatttac aatgaagaaa tttattagtt cacagttctg gacgctggga atttcaatat      60
ggaggtgcca acatgtgttg agaggcttct tgccgtcttc ttcaaactcat ggaaaagggt      120
ccccaatttc tctctccttt ctgaagcgtc tcttcgaaga taacccttcc taaacatctc      180

```

ccttgagtac acataaaaagt ttactccaaa tttgtgaaat gtactggcct agggagatgc 240  
 tcagtcaatg ctgattaatt ttaggtagaa tagaaatgtc aggcacagtg agcacctttg 300  
 ctgtgattga ttgggtgtcg attctctgtc atgaagcgaa ggggtgtgct ggatcaaaca 360  
 catccctctg gtgactagct ctctgcttt 389

<210> 1304  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 1304  
 ttttttttta ggataacacc atttaatgaa caatactgga taacattaag tactattatc 60  
 actttaaaat tcaaacaatc ttccaaacat caatacatac acagttagtt taaaatcaca 120  
 gacaaatcgg acttgagggt aaaagtgaat tcctcacctc ttgcccatgt ttgactttgg 180  
 gatggaattc agcaaagctc tcccactgca gattgggaga atcaggtatt tctcccatc 240  
 ggggggctgc cagggaagga ggaccctata ggggtggccag caaggggcca ct 292

<210> 1305  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 1305  
 ttttaggagta cacaatataa atgcttttatt gctagcacag aggtttcttt ttaagtaaat 60  
 taaaagaaat aaatcttcat tttcacattt tttgttgcag tccaaaggta actagttggg 120  
 tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180  
 agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240  
 aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300  
 tggtagcggt aagaagcaga agatcgtaa ataca 335

<210> 1306  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 1306  
 aaagtttacc ataattttat tgtaatatca gaatcacata agatatagag ttaagcagaa 60  
 aactgatgaa ttttcttcag atgatcttta agaactctca aagccttgaa gtttgctatc 120  
 ttctactgtc ttattagaag gataaaaaac tttgaatgaa aatccacttc ttggaaaaga 180  
 gccagggttt atgcagaggc attcggattt tgctcgtagt aaaggatcat atttgtctgc 240  
 aatgacaagt agatcgggca caggatacac tctcaaagca tagtcatatg cccaatacac 300  
 tgggcagaca taaagaggta ggggagtcag atgtccttgg gataagatag tctttacaaa 360  
 gtgattagga atagccaaat tgctgctagg aaaacggacg cagtttct 408

<210> 1307  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 1307  
 aatctgaagc ccctgatttt atttttccag catcactcta aggaagagtg tggattagtg 60  
 ccattattca gggctgggtat taataaaagt tagcttttat ctgcagggct aggttaaggc 120  
 tggcattctt acttttacat taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180  
 gtcattgtcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240  
 gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300  
 aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360  
 gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat 406

<210> 1308  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<400> 1308  
 tttgccacag ggtaaacttt tatttttagaa tccaatcttt tccccacaca tacacaataa 60

attaaacaga atccacagta aatgtacatt ttttaacata aaaagtcagt tactgttact 120  
 tcatgatcac atgaggatcg tcacagctcc gtgtccatta gcacattacc ctcttgtcc 180  
 ttaactctta tccgaccgga tctgtacttc gtttcttgat gaccgtttgc atatacggtt 240  
 ttaacagtgc catctgggta tccccgtctc ttgaactggg cagtatgtag ttctctttgg 300  
 ccattattaa actctatgag tttgttgcca tcacgttgta ctctgacaat tgtaccatct 360  
 gggaaaatgc tttcttcttg tccatcagga aataagtttt taacagtctg gtcagggaac 420  
 gtgaatttct ttcttccatc tgggtaatgt ttttc 455

<210> 1309  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 1309  
 tttaaaaatt taatctgtat taactttatt taaataaatg accaatctgt cacccaacat 60  
 gtcagtggc ttctctgcac tgatcttgct ttgttttcaa acttgctact tgcaaattatt 120  
 ataagaaaaa aaggtcatct aaaatgagtt aaactgggta caattggtct caacttttaa 180  
 gaatttacat tcaaattggaa taggacgcag tggtttttaa gtgcaagata tactcttttg 240  
 gctcaacatg aaacattata gaactggaaa ttaccgcagt ctttctctct acaacaaact 300  
 tagttaaaag ctgttttgaa agttagttag ccatcagatt ataaactatg aaaaacactg 360  
 aaaagtcatt taaaatgagt atataaatgc aaattacaaa taaaaccagt gtgggagag 419

<210> 1310  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1310  
 tttgtagaga gaaaaattta ttgcaaggca gccaaagcaag gacacaggag tctggcccaa 60  
 atctgtctct ccaagttgga ggctggggca gattttatat acagagggtg gtgaggcatg 120  
 atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtgggtg ccacttctta actcagtcct 240  
 tgttcctcag tctgagcact taggt 265

<210> 1311  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 1311  
 tgatattaca agttctttta tgaatacctt ggtaacttgc tgacaactta aaagataata 60  
 ccactgatat tcaaatacag ttataatca agtccagtgg cagatactga accgccacc 120  
 tccacctcaa tttgtgaaaa cctgtctttt gtaggggttg ctaccatggg taattacgca 180  
 gactgaata aaaaatagaa tatttttcta atacttctac aaatataata aacacagtaa 240  
 cagtttgctg cagcgatttt ctttacaag aatatttggg cccagtgtga cagaaaaaca 300  
 tgaactacat cttatcgtca caaaatagcc attataaaat gaattttgca gc 352

<210> 1312  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 1312  
 tgaagagcac agattttattg aaacaaaagt acatcccaca gagtggcagc aagattgagc 60  
 aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120  
 cccattgggt actcggttta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180  
 ctggctcgtg gaggggacca gtcataaggta cttttcattt ttcactctgc aggcagaaaa 240  
 ggggcagggt gcaaaggagg tataacctct gattcttttg ttacttgggc gaggaaagtt 300  
 gagattttcc tttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360  
 actgcctctg gaacttatct tcctgcctca caagcattta tgaaatctgg ccctagacaa 420  
 gatgt 425

<210> 1313  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1313  
 cggccgcgga ggacctgtcg gacgcgctgt gcgagtttga cgcggtgctg gccgacttcg 60  
 cgctcgccctt ccacgagcgc cacttccact acgaggagca cctggagcgc atgaagcggc 120  
 gcacagcgcga gtgtcagcga cacgagcggc ttcagcgact cggagagtgc agattcactt 180  
 tataggaaca gcttcagctt cagtgatgaa aaactgaatt ctccaacaga ctctacccca 240  
 gctcttctct ctgccactgt cactcctcag aaagctaaat taggagacac aaaagagcta 300  
 gaagccttca ttgctgatct tgacaaaact ttagcaagta tgtgaaacaa gaagttctgg 360  
 gtcctttcat cataagggag aagcttcaga aagttccgag gacctgctaa aatcagctac 420  
 tagaatctgc tgccagaggg gac 443

<210> 1314  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1314  
 tgaggccaca catgtttatt aggccggtcc tgacacctgc ctgcggggaa ggaccaccga 60  
 gaccagatcc tgggtgccat ggggtgcagg gacagaccgg tgcattggcag cggctg 116

<210> 1315  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1315  
 cagagaaata agctttttaa ggcgcaatgt tgcataatgc ggtaacttgt tctttgagaa 60  
 atataaaactc aaactcaciaa gttgtcatga taacatatgc agtaatatga ccattctaca 120  
 acagagtcac ccacaggtaa aacacatgac tgggctttga gctc 164

<210> 1316  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1316  
 ttttttgaga cagtcttgct ctatcaccca ggctggagtg cagtggcaca tctcggctta 60  
 ctgcaatctc cacctcccga gttcaagcaa ttctcctgcc tcagcctccc gagtagctgg 120  
 gattacaggc atgcaccata acacccaact aattttttgta tatttagtag agacaggggtt 180  
 tcatcatgtt ggccaggctg gtcctgaact cctgacctca agtgatccat ccaactcaggc 240  
 ctcccaaagt gccgggatta caggcatgag ccaccgcacg tggcctagat gaaagttttt 300  
 aaaagcctgg gctaataaaa tcatccacca atcatttttc ttatgggttaa agcagccaaa 360  
 aagctgtcac agcatttttg agatga 386

<210> 1317  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1317  
 ttttttacat tttattagaa tcttttttatt tttttctgca gaaaacattt gagatgctca 60  
 tttgatataa acatctaatt ccaagagaga ccagtgtctca aatatagttt tttcagctac 120  
 catttgatac ggccataaat ttggatggtc catgtttacaa tcttccaca attctccact 180  
 taaagacatc atttttctat gtttttaaatg actattgccca tctaacaatt ctacaattcg 240  
 cctctttgcc tgtaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300  
 atttatctct gcttaagatt gcaaaagttt ttgattttat tattcacctg aacaatgtat 360  
 tgcaattcca atacaccccc atctcttgct gttatctaca gcttgtgaca aaatgaacac 420  
 cttgtagaaa tatectactg gttgggtttc ccaagtctat gacaccaaga gagaagcatt 480  
 gctgatggat tgacgaggag accaccagat cat 513

<210> 1318

<211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 1318  
 ttttggtagc tattgaaatca gggccacaca tttaattgat attatgatca agatgttcaa 60  
 ggcaaaaaat actattactt atttaatgtg gaacaagtct agtctttctc ttgagctccc 120  
 acctgctggg taggaggcaa caatgttatt tggatcctgt ttagag 166

<210> 1319  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 1319  
 aattttaatt tacaatgaaa tgaaatgtga cacatgaagc ataagaacac aactgaagac 60  
 tgcaaacacac cttaatcaat taccgagttt gctcaagcct ccaagcacca gtcaaatact 120  
 gaagtcgtat aaaaagtagg actttacaca tttgtagcca gctccagaat ggaactaatt 180  
 tagaaccttc aaattctgtc cagttgacag caatttctgc tattggaatt ttaaagaact 240  
 gtgctatgta cagtagttct acatcaaattg ccctgagcaa ttgattcttt ttctaaatga 300  
 gctcgagatc cacatgctat agccaattga ttaggccaaag gctgtagatc atttagcccc 360  
 ttttctaatt tctcaacatc tggaaacttt gtggctccat cagcatctgc cataaggatc 420  
 ttttctcttc gagaactgaa tatacccatt ctaatcgctc caccttttcc acgattcttc 480  
 accaggggta tcacacg 497

<210> 1320  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 1320  
 gaggtgaagt tcttgtttat tgttgacagc actcttatac agacattagc gttcagttaa 60  
 ataaaggaag atagatagca cagtaaatac atcacaaccc caaactggat gatgtsgcca 120  
 cgggacggag gavsghasgs agggaggagc cagtsaccga ctgtcaagga agtacattca 180  
 gtgggtgtgc ssgtgtccac attccaggct cagtgtaga tattccccbc cat 233

<210> 1321  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1321  
 taattttcca caaagagctc cagaaggcaa atagtttatc acttccccac tctgaaatag 60  
 cagcaagac agatgatgca ggggaatggg tgtccactct tncttgnct cagagctcct 120  
 gcagcaggcc tgantgaccc gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag 180  
 gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgct t 231

<210> 1322  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1322  
 catgttttta tattttttata tatttttttg aaaaattaca ttaacagcat aaaattcaaa 60  
 agttatacag aagaaacaat aagangtaaa tctttcgtcc tgtcctgtgc cccatctagt 120  
 accttaagac aatcagtgat agtagtttct tggctgtacc ttcacaaata ttctaggtat 180  
 ttatattatt tatttncccc tacacaacaa cagcgtatta tagacaacat tctctcctgg 240  
 cttttttcac ttactcttta tccatattga ta 272

<210> 1323

<211> 268  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1323  
 aataaaaactg tttatttatg gnacacatta gaaaagaaag gttcgaaaac nncacaaaaa 60  
 caacgggatg catttaaaat cgggatgcag aggcattctaa aggattatac aaatctaaaa 120  
 ttgcctaaaa gattctttac aaaacgcaaa tgaaaggctc atgcagcaca tgancctggg 180  
 ttgcccctnc tctgtctctc ctttgccctcg atgctttgag tacagtaacc ctttttctca 240  
 gttacctttn ctcttgagg ctaatgaa 268

<210> 1324  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1324  
 cttaaatata aggctaagtc ttagcacttc attagnaggt ggagagatta aaaactaact 60  
 tccttgccga atagcctggg tttggaaaag catgtttttg aaatatgtgg gatctccact 120  
 ctggggccct ctgcagtcct gtctgggtct tcacacctaa gtcaaagcaa gagctatatt 180  
 tgcgttagaa tttccttagc caagactaca agaggccaaa tgccagggtt catctcagct 240  
 tctgtgcat tcacatggaa ggtcgtcttt gaatctgcac gtccagctcg ccatacacat 300  
 gtctcaggga gtcactgctc atgctgggct atcagcttcc gatgcccaga gacccagggg 360  
 ccggcacact tcttcccact tgcacgggtg gagttggggc cnggattttc acgggaacat 420  
 cttctttcat ttgggncttt gt 442

<210> 1325  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1325  
 ctgggaatat ttatttatat atttggncta ttaacaccaa ganctgcaaa aaacaacctc 60  
 taaacacaag ataagaaaac tcgaacatta acattctnca attttgtgta agcncctgcag 120  
 tacgganaat atacaaactt naaacagctg caaaaatagt gtctntggga gaanatagag 180  
 tctctacatc gatacaagaa aaatagggca tttttctaata ccatccagcc ctggggcggg 240  
 ncggagcngt ntagagtcgc ctttgccac ctggggggga ttgccagctc tctccccac 300  
 taccacactg ggggctgggc gggctgggct gctacttaag gacaatcttt aggtcagggg 360  
 tgaaagcgag atgaaaatgg ccacttgggg aaaacacttg tttcctcccn ctgccagcag 420  
 ctggattggg ncaaggtggt atgggccctt aggggncttt ttgggtcagt 470

<210> 1326  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1326  
 ggcttaggaa aaacatgtac tttattggca aattgtttta gctgtagacg gatggatgat 60  
 tctacagcca cactccccct tccgggtgta catccggggc ctgtgcacct gcgcggaatc 120  
 aggcaacttt gtttttcccg gtccccaaaa agctcacctt tgacacaccc tctatatgca 180  
 caggaaaact gctcttctta ttcagggtct ctttttgtgg tgggaattcag agaaactggg 240







```

<210> 1334
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1334
acttttcata aatttattta tgaaattaaa tgtggtttct ggcttggaga aggaatagtg      60
caagagtgac tgtccatgct gctgaatcct gtgggctcca cgccagctcg ccaggccctg      120
gntctgctcc tggngccccct tggcaggaca gggcgccatn tncacacacc cgctgcctgg      180
gntgtgggtc antcctgtnt gctgagccac agaattcggg ctntctctta tggcttctca      240
cgttcacgag cgtaaggcaa                                         260

<210> 1335
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1335
ttttttctca gtttctcctt tattgctccc gtacgaaccc ctccccctccc cctgtaaac      60
acagtgctgc gagatcgntg gcagagaagg cttcctccag cggctgggtg gtgaaggacc      120
ctggctcttc tctcggggcg acccctcagt gctcggcagt catactgggg tgcgagagag      180
gtgggcagca gntcagcctc cccccgntgg gatgcgaaag tttnttggtg tcagcttcat      240
ttcctgtaag ggcaccnnga actcgaagcc cttccag                                         277

<210> 1336
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1336
ttnggtatgt gggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag      60
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa      120
aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccacccctgg      180
gccttctctc catntggctg caggcatcct ntntnatcan tgctggggtg cttcctgggt      240
aaagggccan aaggtnaagg agatgggntt ttcangcatc agaatgaggt tnaatttggt      300
gcccacatc                                         309

<210> 1337
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1337
cagagncnag tttattgcac tgactcaaag cacaactaaa aattaaaacc agaaagaaaa      60
ctgtacaaaag cacgaagcta caactttaaa agcatcacct agacgcgggt ttaattgcac      120
tacagnccat ggggtgaggag agctttncat ccgtgagcgc cgggcaagga caacagacac      180
agagagatgc agccgcctg ggntcatctg ctgcaccaac ttttacaaaa ggttctagaa      240
aaggggaagtn tnaagtcaga tctgggattt cggcatcttg acctcatttg gacatggaaa      300
acctccacct atgtggctgg ctgggtcctg tcagagaaca tattttatca cctccacct      360
gcggcctggg ggntccctga caccaaggac tnggcctggg caggg                                         405

<210> 1338

```

<211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1338  
 tttccaagcc aacatttatt nttgcacaag cctgttgagc tcctgagggg atcttctggc 60  
 anaggtntgg gtaggagctg agtggccact ggggtgaagg gagacagagg aggctntgcc 120  
 agcaggntcc tatccagatg atacatgaga tggaggctcc tcagccacac tccagggagg 180  
 gtgggggtggc aagggggatt cagggataat ggcattaata atacaagtgg taaacaaata 240  
 accaagaggn tctggctggt tacgntacac aaaanttagc agtaagagtc cgtgctttca 300  
 cattcctatc agacagatct gagttcaaat cctgtatgtn tagcaggggtg aggtatctgc 360  
 tttctttcag agcccatggg tgcacatctc tgagcctagt tacaacagtt ggcacatagg 420  
 tnggtgacaa ggagggcagc tctttgattc ctgnttgctt ccacagcaca gagagttaag 480  
 tatggctggt nta 493

<210> 1339  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1339  
 gtggtcacag tggcaacggt tagattggtg ggcagggaga agttggaccc attagagggg 60  
 gaggggtggc tgctggagcc catgctggtc acgatgctcc cgatgccaat ccagaaggcc 120  
 atgacgagcc cagccaacag gccacaacag caccaggagg gttagcacat ggaaagaaca 180  
 ttccaaggca gaagagtccc agcagcggtc cccaacat gccaaagatg ctgattgctg 240  
 cctgcaacna ggtcccatnt gggaggaaat ataggccatt cctagacaaa gcagcccata 300  
 gccaaaggaa aggncttctg ggaaag 326

<210> 1340  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1340  
 agagctctag cacatttatt cgggagagta agcctgggaa agactaaggg agtgggtggc 60  
 gggagaaagg ctgtggggaa tcagagcggg tgctcagttg ggtcttgaag ganannnnnn 120  
 ngnnngtggg aggtgggttn ccgaggatat cttggttgaa gacttggggg tcaagacaaa 180  
 gggacttagg gggatggggg ctggttagag ttggggaggg ggcctaggac atccgtgcag 240  
 agtctgggga ggttgggggt ggagagtctg tacaagtttg gtgttgggtg ttctagttgg 300  
 cctggtgtcc aagagttggg gcagtcgaa aaagggttcc agagtctggt gtggctggct 360  
 ggggtttcac ggcanaaaat gggctggaag gggcagttgt aaactgtctg gttgcaaggn 420  
 aaag 424

<210> 1341  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1341  
 ttgacgttgg cagtgcatt tatttttctn nggggagggg agttatatac agcagtgacc 60  
 cggagcccct caccaccacc aggcttaggt ggggacagga ggcgttggca gaaggcacac 120

agtggcagta	gccagaagag	gccaggaagt	aaggggtgggt	atgtgatgtg	tectgggaga	180
cccagatgag	gaaattgagg	ctcagtgagg	gcctcaggtc	acacagtaag	gtgcgaagga	240
gctagtcceg	agagcttgtg	gtgggttgett	ctctcttgcc	tgggctacag	gaggacgcag	300
gggcagcccc	cgcccttctt	cctgggggca	ctgggagggc	tcggtgggag	ctcttggtcc	360
tggtatttcc	ggacagcccc	caccagctgc	ttcaaaagcc	tcgtccacgt	tgagacgcat	420
tttgccga						429

<210> 1342  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1342						
gaaaatgctt	taataagtgt	tgacaacact	gttttgcann	ntgtaaaggt	actatacaaa	60
tncttaatac	aaaaagaata	aattaaaagc	agatttcttt	ttttaattct	gcaactttgt	120
ctacaacgta	catctttttc	attgattaca	gttgaacaga	atccagtaaa	atcattttac	180
atgctctaca	gtcagtttca	ggggcancct	aatctttttt	ccccattat	taaactagag	240
tccatt						246

<210> 1343  
 <211> 852  
 <212> DNA  
 <213> Homo sapiens

<400> 1343						
cttgagctg	cccacctcac	cctcagctct	ggcctcttac	tcaccctcta	ccacagacat	60
ggctcagtc	ctggctctga	gcctccttat	cctgggtctg	gcctttggca	tccccaggac	120
ccaaggcagt	gatggagggg	ctcaggactg	ttgcctcaag	tacagccaaa	ggaagattcc	180
cgccaagggt	gtccgcagct	accggaagca	ggaaccaagc	ttaggctgct	ccatcccagc	240
tatcctgttc	ttgccccgca	agcgcctctca	ggcagagcta	tgtgcagacc	caaaggagct	300
ctgggtgcag	cagctgatgc	agcatctgga	caagacacca	tccccacaga	aaccagccca	360
gggctgcagg	aaggacaggg	gggcctccaa	gactggcaag	aaaggaaagg	gctccaaagg	420
ctgcaagagg	actgagcggg	cacagacccc	taaaggggcca	tagcccagtg	agcagcctgg	480
agccctggag	accccaccag	cctcaccaac	gcttgaagcc	tgaacccaag	atgcaagaag	540
gaggctatgc	tcagggggccc	tggagcagcc	accccatgct	ggccttgcca	cactctttct	600
cctgctttaa	ccaccccatc	tgcattccca	gctctaccct	gcatggctga	gctgcccaca	660
gcaggccagg	tccagagaga	cagaggaggg	agagtctccc	agggagcatg	agaggaggca	720
gcaggactgt	ccccttgaag	gagaatcatc	aggaccctgg	acctgatacg	gctccccagt	780
acaccccacc	tcttccttgt	aaatatgatt	tatacctaac	tgaataaaaa	gctgttctgt	840
cttcccaccc	gc					852

<210> 1344  
 <211> 1258  
 <212> DNA  
 <213> Homo sapiens

<400> 1344						
ggctctggac	tggggacaca	gggatatgctg	agccccagct	gggggtggaa	gctgagccag	60
ggacagtcac	ggaggaacaa	gatcaagatg	cgctgtaact	gagaagcccc	caaggcggag	120
gctgagaatc	agagacattt	cagcagacat	ctacaaatct	gaaagacaaa	acatgggttca	180
agcatccggg	cacaggcggt	ccaccctgtg	ctccaaaatg	gtctcctggg	ccgtgatagc	240
aaagatccag	gaaataactgc	agaggaagat	gggtgcgagag	ttcctggccg	agttcatgag	300
cacatatgtc	atgatgggat	tgggccttgg	ttccgtggcc	catatgggtc	taaataaaaa	360
atatgggagc	taccttggtg	tcaacttggg	ttttggcttc	ggagtacca	tgggagtgca	420
cgtggcaggc	cgcctctctg	gagcccacat	gaacgcagct	gtgacctttg	ctaactgtgc	480

gctgggcccgc	gtgccctgga	ggaagtttcc	ggtctatgtg	ctggggcagt	tccctgggctc	540
cttcctggcg	gctgccacca	tctacagtct	cttctacacg	gccattctcc	acttttcggg	600
tggacagctg	atggtgaccg	gtcccgtcgc	tacagctggc	atttttgcca	cctaccttcc	660
tgatcacatg	acattgtggc	ggggcttcc	gaatgaggcg	tggctgaccg	ggatgctcca	720
gctgtgtctc	ttcgccatca	cggaccagga	gaacaacca	gcactgccag	gaacagaggc	780
gctggtgata	ggcatcctcg	tggatcatcat	cggggtgtcc	cttggcatga	acacaggata	840
tgccatcaac	ccgtcccggg	acctgcccc	ccgcatcttc	accttcattg	ctggttgggg	900
caaacaggtc	ttcagcaatg	gggagaactg	gtggtgggtg	ccagtgggtg	caccacttct	960
gggtgcctat	ctaggtggca	tcatctacct	ggtcttcatt	ggctccacca	tcccacggga	1020
gcccctgaaa	ttggaggatt	ctgtggcgta	tgaagaccac	gggataaccg	tattgcccaa	1080
gatgggatct	catgaacca	cgatctctcc	cctcaccccc	gtctctgtga	gccctgccaa	1140
cagatcttca	gtccacctg	ccccaccctt	acatgaatcc	atggccctag	agcacttcta	1200
agcagagatt	atgtgtgatc	ccatccattc	cccaataaag	caaggcttgt	ccgacaaa	1258

<210> 1345  
 <211> 1364  
 <212> DNA  
 <213> Homo sapiens

<400> 1345	aggggactgg	ggccaagagc	cgggagcgcg	ggcgcaaagg	caccagggcc	cgcccagggc	60
	gccgcgcagc	acggccttgg	gggttctcgc	ggccttcggg	tgcgcgtctc	gcctctagcc	120
	atggggctcg	cagcggttga	gatcctgggc	ctggtgctgt	gcctgggtgg	ctgggggggt	180
	ctgatectgg	cgtgcgggct	gcccattgtg	caggtgaccg	ccttccctgga	ccacaacatc	240
	gtgacggcgc	agaccacctg	gaagggcctg	tggatgtcgt	gcgtgggtgca	gagcaccggg	300
	cacatgcagt	gcaaagtgtg	cgactcggtg	ctggctctga	gcaccgaggt	gcaggcggcg	360
	cgggcgctca	ccgtgagcgc	cgtgctgctg	gcgttcgttg	cgctcttcgt	gacctggcg	420
	ggcgcgcagt	gcaccacctg	cgtggccccg	ggcccggcca	aggcgcgtgt	ggccctcacg	480
	ggaggcgtgc	tctacctgtt	ttgcgggctg	ctggcgctcg	tgccactctg	ctggttcgcc	540
	aacattgtcg	tccgcgagtt	ttacgacctg	tctgtgcccc	tgtcgcagaa	gtacgagctg	600
	ggcgcagcgc	tgtacatcgg	ctgggcggcc	accgcgctgc	tcatggtagg	cggctgcctc	660
	ttgtgctgcg	gcgcctgggt	ctgcaccggc	cgtcccgacc	tcagcttccc	cgtgaagtac	720
	tcagcgccgc	ggcgggccac	ggccaccggc	gactacgaca	agaagaacta	cgtctgaggg	780
	cgctgggcac	ggccggggccc	ctcctgccag	ccacgcctgc	gaggcggttg	ataagcctgg	840
	ggagccccgc	atggaccgcg	gcttccgcgc	ggtagcgcg	cgcgaggct	cctcggaacg	900
	tccggctctg	cgccccgacg	cggctcctgg	atccgctcct	gcctgcgccc	gcagctgacc	960
	ttctcctgcc	actagccccg	ccctgccctt	aacagacgga	atgaagtttc	cttttctgtg	1020
	cgcggcgctg	tttccatagg	cagagcgggt	gtcagactga	ggatttcgct	tcccctccaa	1080
	gacgtggggg	gtcttggtg	ctgccttact	tcccagaggc	tcctgctgac	ttcggagggg	1140
	cggatgcaga	gcccggggcc	cccaccggaa	gatgtgtaca	gctggctctt	actccatcgg	1200
	caggccccgag	cccagggacc	agtgacttgg	cctggacctc	ccggtctcac	tccagcatct	1260
	ccccaggcaa	ggcttgtggg	caccggagct	tgagagaggg	cgggagtggg	aaggctaaga	1320
	atctgcttag	taaatggttt	gaactctcaa	aaaaaaaaaa	aaaa		1364

<210> 1346  
 <211> 3635  
 <212> DNA  
 <213> Homo sapiens

<400> 1346	agatggctgc	cgacagtgag	cccgaatccg	aggtatttga	gatcacggac	ttcaccactg	60
	cctcggaatg	ggaaagggtt	atttccaaag	ttgaagaagt	cttgaatgac	tggaaactga	120
	ttggaaactc	tttgggaaag	ccactcgaaa	agggatatatt	tacttctggc	acatgggaag	180
	agaaatcaga	tgaattttcc	tttgctgact	tcaagttctc	agtcactcat	cattatcttg	240
	tacaagagtc	cactgataaa	gaaggaaagg	atgagttatt	agaggatgtt	gttcacaaat	300

ctatgcaaga	tttgctgggt	atgaataatg	actttcctcc	aagagcacat	tgcttggtaa	360
gatggatagg	gctacgtgag	ttcgtgggtga	ttgcccctgc	tgacacacagt	gacgctgttc	420
tcagcgaatc	taagtgcac	cttcttctga	gttctgtttc	tattgccttg	ggaaacactg	480
gctgtcaggt	gccactcttt	gtgcaaattc	accacaaaatg	gcgaagaatg	tatgtaggag	540
aatgtcaagg	tcctgggtga	cgaactgatt	tcgaaatggg	tcattcttaga	aaagtgcac	600
atcagtacac	tcacttatca	ggctctgctg	atatcttcaa	atcaaagatt	ggatgtcctt	660
taactccatt	gcctccagtt	agtattgcta	ttcgatttac	ctatgtactt	caagattggc	720
agcagtat	ttggcctcag	caacctccag	acatagatgc	ccttgtagga	ggagaagttg	780
gaggcttgga	gtttggcaag	ttaccatttg	gtgcctgcga	agatcctatt	agtgaactcc	840
atttagctac	tacatggcct	catctgaccg	aagggatcat	tgtggataat	gatgtttatt	900
ctgatttgga	tcctattcaa	gtccacatt	ggctgttag	agttcgaaaa	gctgagaatc	960
ctcagtggtt	gctaggtgat	tttgtcactg	aattttttaa	aatttgccgt	cgaaaggagt	1020
caactgatga	gattcttgga	cgatctgcat	ttgaggaaga	aggcaaagaa	actgctgata	1080
taactcatgc	tttgtcaaaa	ttgacagagc	cggcatcagt	tccaattcat	aaattatcag	1140
tttcaaata	ggtacacact	gcaaagaaga	aaatccgaaa	acacagaggt	gtagaggagt	1200
caccgctaaa	taatgatgtt	cttaatacta	ttctcctgtt	cttattccct	gatgctgttt	1260
ctgagaaacc	attagatgga	actacttcaa	cagataataa	taatcctcca	tcagagagtg	1320
aagactataa	tctctacaat	cagttcaagt	ctgcaccatc	tgacagttta	acatacaaac	1380
tggtcttggt	tctctgtatg	atcaattttt	accatggagg	gttgaaagga	gtggcacacc	1440
tctggcagga	atttggtctt	gaaatgcgtt	tccgatggga	aaacaacttt	ctgattccag	1500
gattagcaag	tggaacccca	gatctgaggt	gttgtttact	gcatcagaaa	ctacagatgt	1560
taaattgttg	tattgaaaga	aagaaggcac	gtgatgaggg	gaaaaagaca	agtgtctcag	1620
atgtcactaa	tatatatcca	ggggatgctg	gaaaagcagg	agaccagttg	gtgccagata	1680
atctaaaaga	aacagataag	gaaaagggag	aggtaggaaa	atcttgggat	tcctggagtg	1740
acagcgaaga	agaatttttt	gaatgcctaa	gtgatactga	agaacttaaa	ggaaatggac	1800
aagagagtg	caagaaagga	ggacctaagg	agatggcaaa	tttaaggccg	gaaggacggc	1860
tctatcagca	tggaactt	acactgctgc	ataatggaga	acctctctac	attccagtaa	1920
cccaggaacc	agcacctatg	acagaagatc	tgctagaaga	gcagtctgaa	gttttagcta	1980
aattaggtac	atcggcagag	ggggctcacc	ttcgagcacg	catgcagagt	gcctgtctgc	2040
tctcagatat	ggagtctttt	aaggcagcta	atccaggttg	ctccctggaa	gattttgtga	2100
gggtggtatt	acccgggat	tatatgaag	aggaggtgat	tgatgaaaag	ggcaatgtgg	2160
tgctgaaagg	agaactgagt	gcccggatga	agattccaag	caatatgtgg	gtagaagcct	2220
gggaaacagc	taagccaatt	cctgctagaa	ggcaaaggag	actctttgat	gatacacggg	2280
aagcagaaaa	ggtgctgcac	tatctggcaa	tccagaaacc	tgacagacct	gctcggcacc	2340
tgttaccttg	tgtgattcat	gcagctgtac	tcaaggtaaa	ggaagaagaa	agtctcgaaa	2400
acatttcttc	agttaagaag	atcataaagc	agataaatatc	ccattccagt	aaagttttgc	2460
acttcccaa	tccagaagac	aagaaattgg	aagaaatcat	tcaccagatt	actaatgtgg	2520
aagctctcat	tgccagagct	cggtcactaa	aagccaagtt	tggaactgag	aaatgtgaac	2580
aggaggagga	aaaggaagat	cttgaaaggt	ttgtgagttg	cctgctggag	cagcctgaag	2640
tgtagtcac	cggtgcagga	agaggacatg	ctggcaggat	cattcacaag	ctgtttgtga	2700
atgccagag	ggctgcagct	atgactccac	cagaggagga	attgaagaga	atgggctccc	2760
cagaggaaa	aaggcagaac	tccgtgtcag	acttcccacc	ccctgctggc	cggaattca	2820
ttttgcgcac	cactgtgccg	cgcctgtctc	cctactccaa	agctctgcct	cagcggatgt	2880
acagtgttct	caccaaagag	gacttttagac	ttgcaggtgc	cttttcatca	gatacttcc	2940
tcttctgatt	cttctagcat	tactcgttgg	tggttcagaa	gacagtgtct	cctcctcctg	3000
agggagggaa	ggtaccaggg	agaacctggg	aggtcctgga	gagggccctg	tccagttggg	3060
tgatcaggaa	tcaaaccagc	atcggaagaa	cttcccagca	ccaagcttga	gctgtgtcgt	3120

ttcgtggagg	gggcagcgag	gatgggcttg	agctgttgag	agatttctgc	cctagagatg	3180
gcctttgtat	atgggggggt	ggtgggggga	cacaaacaca	tcagacactc	cgctctcaca	3240
ctggcaggac	ggtgttcac	gcattctctt	ctgtgaccag	cctctaggct	agcggctgca	3300
ttcgtggtct	gtgcaaacac	ttcgtgggtc	tatatatcag	cagcaagtgt	gcaaaataaa	3360
ggacctgtta	actcagattt	ctggatattt	tgggtggtagc	ttctagtccc	agaatctgtg	3420
tttttaaaat	actacatgac	attctgtcta	ttcaatcacc	tgggtggtcat	ctttcttgta	3480
ctaattaact	ggtgatgagc	attttggata	ttctaggaga	aagcctataa	tttcacatag	3540
tttctctttt	tcagtgaact	gtaacctaaa	tgtattactt	ctgataaaac	tatatatcaa	3600
atgtcactgc	aaattagttt	tatatctgtc	atgtg			3635

<210> 1347  
 <211> 2103  
 <212> DNA  
 <213> Homo sapiens

<400> 1347						
ctcgagatcc	attgtgctct	aaagagtctc	caccgccgtc	caggaccac	ttgcagcatg	60
gagtcgccc	cctcgagcca	gcccgccagc	atgccccagt	ccaaaggaaa	atccaagagg	120
aagaaggatc	tacggatatc	ctgcatgtcc	aagccaccgc	caccaaccc	cacaccccc	180
cgaacctgg	actcccggac	cttcatcacc	attggagaca	gaaactttga	ggtggaggct	240
gatgacttgg	tgaccatctc	agaactgggc	cgtggagcct	atgggggtgg	agagaagggtg	300
cggcacgccc	agagcggcac	catcatggcc	gtgaagcgga	tccgggccac	cgtgaactca	360
caggagcaga	agcggctgct	catggacctg	gacatcaaca	tgcgcacggt	cgactgtttc	420
tacactgtca	ccttctacgg	ggcactattc	agagagggag	acgtgtggat	ctgcatggag	480
ctcatggaca	catccttgga	caagtctctac	cgggaaggtgc	tggataaaaa	catgacaatt	540
ccagaggaca	tccttgggga	gattgctgtg	tctatcgtgc	gggccctgga	gcatctgcac	600
agcaagctgt	cggatgatcca	cagagatgtg	aagccctcca	atgtccttat	caacaaggag	660
ggccatgtga	agatgtgtga	ctttggcatc	agtggctact	tgggtggactc	tgtggccaag	720
acgatggatg	ccggctgcaa	gccctacatg	gcccctgaga	ggatcaaccc	agagctgaac	780
cagaagggct	acaatgtcaa	gtccgacgtc	tggagcctgg	gcatcaccat	gattgagatg	840
gccatcctgc	ggttccctta	cgagtcctgg	gggaccccg	tccagcagct	gaagcagggtg	900
gtggaggagc	cgtcccccca	gctcccagcc	gaccgtttct	cccccgagtt	tgtggacttc	960
actgctcagt	gcctgaggaa	gaaccccgca	gagcgtatga	gctacctgga	gctgatggag	1020
caccccttct	tcaccttgca	caaaaccaag	aagacggaca	ttgctgcctt	cgtgaaggag	1080
atcctgggag	aagactcata	ggggctgggc	ctcggacccc	actccggccc	tccagagccc	1140
cacagcccca	tctgccccgg	cagtgtctac	ccacaccata	agctactgcc	atcctggccc	1200
agggcatctg	ggaggaaccg	agggggctgc	tcccacctgg	ctctgtggcg	agccatttgt	1260
cccaagtgcc	aaagaagcag	accattgggg	ctcccagcca	ggcccttgtc	ggccccacca	1320
gtgctctctc	ctgctgtctc	taggacctgt	ctccagctgc	tgagatcctg	gactgagggg	1380
gcctggatgc	ccctgtgga	tgtgtgtgcc	cctgcacagc	aggctgccag	tgctgggtg	1440
gatgggccac	cgccttgccc	agcctggatg	ccatccaagt	tgtatatttt	tttaattctct	1500
cgactgaatg	gactttgcac	actttggccc	agggtggcca	cacctctatc	ccggcttttg	1560
tgcgggggtac	acaagagggg	atgagttgtg	tgaatacccc	aagactccca	tgaggagat	1620
gccatgagcc	gcccaggccc	ttcccctggc	actggcaaac	agggcctctg	cggagcacac	1680
tggctcacc	agtcctgccc	gccaccgtta	tccgtgtcat	tcacctttcg	tgtttttttt	1740
aattttatcct	ctgttgattt	tttctttttg	tttatgggtt	tggcttggtt	ttcttgcatg	1800
gtttggagct	gatcgcttct	ccccacccc	ctagggtacc	agcaggcaga	gccttgccct	1860
ctgctcaggc	tgggggtccag	tgggaggggc	ccaaaatctc	tgtctagaga	agtgcagggg	1920
gagccttcca	gctcactctc	cctgaggact	ggcgtgacag	gggctatggg	tgttggtttt	1980
aaaaaaagaa	aatatatattt	tttgaaaaaa	cgactgccc	tcccgggtcc	tttccctgat	2040
gggttggggc	agttacctgg	ttgctgtttt	aattaaaaac	tttagagcac	aatggatctc	2100

gag

2103

<210> 1348  
<211> 2136  
<212> DNA  
<213> Homo sapiens

<400> 1348  
gacctggagg cccggcctgg ccgctccccg ccctgggggtg cacatcggcc ctgagtcctcg 60  
tcccaggctc tgggctcggg cagccgcgcg caccgctgcc caggacgtcg ggctcctgc 120  
cttcctccca ggccccacg ttgctggcgg cctggccgag tggccgccat gctcctgcct 180  
tgggccacct ctgcccccg cctggcctgg gggcctctgg tgctgggcct cttegggctc 240  
ctggcagcat cgcagcccca ggcgggtgct ccatatgctg cggagaacca gacctgcagg 300  
gaccaggaaa aggaatacta tgagccccag caccgcatct gctgctcccc ctgcccccca 360  
ggcacctatg tctcagctaa atgtagccgc atccgggaca cagtttgtgc cacatgtgcc 420  
gagaattcct acaacgagca ctggaactac ctgaccatct gccagctgtg ccgcccctgt 480  
gaccagtgta tgggcctcga ggagattgcc ccctgcacaa gcaaacggaa gaccagtgcc 540  
cgctgccagc cgggaatgtt ctgtgctgcc tgggcccccg agtgtacaca ctgcgagcta 600  
ctttctgact gccgcctgg cactgaagcc gagctcaag atgaagttgg gaagggtaac 660  
aaccactgct tcccctgcaa ggcagggcac ttccagaata cctcctcccc cagcgccgcg 720  
tgccagcccc acaccaggtg tgagaaccaa ggtctggtgg aggcagctcc aggcactgcc 780  
cagtccgaca caacctgcaa aaatccatta gagccactgc ccccagagat gtcaggaacc 840  
atgctgatgc tggccgttct gctgccactg gccttctttc tgctccttgc caccgtcttc 900  
tctgcatct ggaagagcca cccttctctc tgcaggaaac tgggatcgct gctcaagagg 960  
cgtccgagg gagagggacc caatcctgta gctggaagct gggagcctcc gaaggcccat 1020  
ccatacttcc ctgacttggg acagccactg ctaccattt ctggagatgt tccccagta 1080  
tccactgggc tccccgcagc cccagttttg gaggcagggg tgccgcaaca gcagagtcct 1140  
ctggacctga ccaggagacc gcagttggaa cccggggagc agagccaggt ggcccacggt 1200  
accaatggca ttcatgtcac cggcgggtct atgactatca ctggcaacat ctacatctac 1260  
aatggaccag tactgggggg accaccgggt cctggagacc tcccagctac ccccgaacct 1320  
ccatacccca ttcccgaaga gggggaccct ggccctcccg ggctctctac accccaccag 1380  
gaagatggca aggcttggca cctagcggag acagagcact gtggtgccac accctctaac 1440  
agggggccaa ggaaccaatt tatcccat gactgacgga gtctgagaaa aggcagaaga 1500  
aggggggcac aagggcactt tctcccttga ggctgccctg cccacgtggg attcacaggg 1560  
gcctgagtag ggcccgggga agcagagccc taagggatta aggctcagac acctctgaga 1620  
gcaggtgggc actggtggg tacggtgccc tccacaggac tctccctact gcctgagcaa 1680  
acctgaggcc tcccggcaga cccaccacc ccctggggct gctcagcctc aggcacggac 1740  
agggcacatg ataccaactg ctgcccacta cggcacgccg caccggagca cggcacccag 1800  
ggagccgcca caggtcacc tgcaaggacg tcacgggccc ctctaaagga ttcgtggtgc 1860  
tcatcccaa gcttcagaga ccctttgggg ttccacactt cacgtggact gaggtagacc 1920  
ctgcatgaag atgaaattat agggaggacg ctcttccct cccctcctag aggagaggaa 1980  
agggagtcat taacaactag ggggttgggt aggattccta ggtatgggga agagttttgg 2040  
aaggggagga aaatggcaag tgtatttata ttgtaaccac atgcaaataa aaagaatggg 2100  
acctaaactc gtgccgctcg tgccgaattc ctgcag 2136

<210> 1349  
<211> 1792  
<212> DNA  
<213> Homo sapiens

<400> 1349  
gaattccata tcatggcctg ccgccgcgcg cgccgcgccg ggagctctgt agtatggcat 60  
cgaggagaaat ggagacaaaa cctgtgataa cctgtctcaa aaccctctc atcatctact 120  
ccttcgtctt ctggatcact ggggtgatcc tgctggctgt tggagctctg ggcaaactta 180  
ctctgggcac ctatatctcc cttattgccc agaactccac aaatgctccc tatgtgtca 240



tcggaactgg	caccactatt	gttgtctttg	gcctgttttg	atgctttgct	acatgtcgtg	300
gtagcccatg	gatgctgaaa	ctgtatgcc	tgtttctgtc	cctgggtgtc	ctggctgagc	360
tcgtagctgg	catttcaggg	tttgtgtttc	gtcatgagat	caaggacacc	ttcctgagga	420
cttacacgga	cgctatgcag	acttacaatg	gcaatgatga	gaggagccgg	gcagtggacc	480
atgtgcagcg	cagcctgagc	tgctgtgggtg	tgacagaacta	caccaactgg	agcaccagcc	540
cctacttcct	ggagcatggc	atccccccca	gctgctgcat	gaacgaaact	gattgtaatc	600
cccaggatct	acacaatctg	actgtggccg	ccaccaaagt	taaccagaag	ggttgttatg	660
atctggtaac	tagtttcatg	gagactaaca	tggaatcat	cgctggagtg	gcgtttggaa	720
tcgcattctc	ccagttaatt	ggcatgctgc	tgccctgctg	tctgtcccgg	ttcatcacgg	780
ccaatcagta	tgagatgggtg	taaggagaag	tctttcaaga	atgacggaat	aagagacctg	840
ttttaaaaag	gaactgcagc	aatctttgaa	agacttccaa	agaatgttag	agcacagtac	900
ataatacact	tgccctgctc	cctctacccc	ttaccccaca	acgtgcaact	gacactccca	960
cccagtctct	gctccacctt	tcagcccacg	tcacgtgtag	tgtccatttt	gtgaagccct	1020
gttgtgccac	agagtgtagc	cagggtcccc	tgacgctagt	cctagtgaac	ctcacccgga	1080
ggccctgcat	gggcccagccc	ctccatctgt	acttgggtcca	actgcaactc	atcatcggtg	1140
actggttatc	acaccatcgc	tggccccctt	gggcccctgca	tgtagtgtgg	gaggctcctg	1200
ttagctcctc	actgtggtaa	atgccacaca	cctttaagta	gataagcaga	cgatagttat	1260
ctgttctttt	gacttaatct	catttggttt	gattttccct	ctactaaggc	tttcctacct	1320
tcttcaggct	gcctaagaca	tgtaacgaaa	cacttcaata	attgtccatg	aggagaaaaa	1380
aagcatgtgt	catgcatgaa	ggaaactgaa	cttgagggtgg	cctccttgc	tgttacatac	1440
ctgggtatgt	gtaggcagtt	tagtgcattc	ttgcctctca	gttgaaacct	gtataacctt	1500
gttaciaaagc	tgtgtgtgtg	cttcttgtga	aggccatgat	atgttgtttt	tccccaat	1560
attgctattg	tgttatttta	ctacttctct	ctgtattttt	tcttgcattg	acattataga	1620
cattgaggac	ctcatccaaa	caatttaaaa	atgagtgtga	agggggaaca	agtcaaaata	1680
tttttaaaag	atcttcaaaa	ataatgcctc	tgtctagcat	gccaacaaga	atgcattgat	1740
attgtgaaca	tttgtgat	atgtattaat	aaatagagca	attacggaat	tc	1792

<210> 1350  
 <211> 2689  
 <212> DNA  
 <213> Homo sapiens

<400> 1350	ggctggggcc	tgaggcctgg	ggctcaccca	cgcccccgcc	gacgcctgcc	gcgcccgcgc	60
	cacccccgcc	acccggagcc	ccgggtggct	cgcaggacac	ctgtacgtcg	tgccggcggt	120
	tccggcgggc	agaggagctc	ggccgagtg	acggcgactt	cctggaggcg	gtgaagcggc	180
	acatcttgag	ccgcctgcag	atgcggggcc	ggcccaacat	cacgcacgcc	gtgcctaagg	240
	ccgccatggt	cacggccctg	cgcaagctgc	acgcgggcaa	ggtgcgcgag	gacggccgcg	300
	tggagatccc	gcacctcgac	ggccacgcca	ggccggcgcc	cgacggccag	gagcgcgttt	360
	ccgaaatcat	cagcttcgcc	gagacagatg	gcctcgccctc	ctcccgggtc	cgctataact	420
	tcttcatctc	caacgaaggc	aaccagaacc	tgtttgtgg	ccaggccagc	ctgtggcttt	480
	acctgaaact	cctgccctac	gtcctggaga	agggcagccg	gcggaagggtg	cgggtcaaag	540
	tgtacttcca	ggagcagggc	cacgggtgaca	ggtggaacat	ggtggagaag	aggggtggacc	600
	tcaagcgcag	cggctggcat	accttcccac	tcacggaggc	catccaggcc	ttgtttgagc	660
	ggggcgagcg	gcgactcaac	ctagacgtgc	agtgtgacag	ctgccaggag	ctggccgtgg	720
	tgccggtgtt	cgtggaccca	ggcgaagagt	cgcaccgacc	ctttgtgggtg	gtgcaggctc	780
	ggctgggcga	cagcaggcac	cgcattcgca	agcaggccct	ggagtgcgat	ggccggacca	840
	acctctgttg	caggcaacag	ttcttcattg	acttccgcct	catcggtctg	aacgactgga	900
	tcatagcacc	caccggctac	tacggcaact	actgtgaggg	cagctgccca	gcctacctgg	960
	caggggtccc	cggctctgcc	tcctccttcc	acacggctgt	ggtgaaccag	taccgcatgc	1020
	ggggtctgaa	ccccggcacg	gtgaactcct	gctgcattcc	caccaagctg	agcaccatgt	1080

1144537 001201

ccatgctgta cttcgatgat gagtacaaca tcgtcaagcg ggacgtgccc aacatgattg 1140  
 tggaggagtg cggctgccc tgacagtga aggcaggggc acggtgggtg ggcacggag 1200  
 gcagtcacg gtgggcttct tccagcccc cgcggaacg gggtagacg tgggctgag 1260  
 acagtcattc tgttgggctg tggagatagt gccaggggtg ggctgagat atttttctac 1320  
 agcttcatag agcaaccagt caaaaccaga gcgagaaccc tcaactgaca tgaaatactt 1380  
 taaaatgcac acgtagccac gcacagccag acgcatcctg ccaccacac agcagcctcc 1440  
 aggataccag caaatggatg cggtagacaaa tggcagctta gctacaaatg cctgtcagtc 1500  
 ggagagaatg gggtagcag ccaccattcc accagctggc ccggccacgt ctcgaagtgt 1560  
 cgcttcccc agcacacata aaagcacaac gacagagacg cagagagaga gagagagcca 1620  
 cggagaggaa aagcagatgc aggggtggg agcgagctc ggcgagggt gcgtgtgccc 1680  
 cgtggctttt accaggcctg ctctgcctgg ctcgatgtct gcttcttccc agcctgggat 1740  
 ccttcgtgct tcaaggcctg gggagcctgt ccttccatgc ccttgcgag ggaagagac 1800  
 ccagaaagga cacaaccctg cagagacctg ggagcaggg caatgaccgt ttgactgtt 1860  
 gtggcttggg cctctgacat gacttatgtg tgtgtgtgt tttgggtg ggaggagg 1920  
 agagaagagg gggctaaatt tgatgcttta actgatctcc aacagttgac aggtcatcct 1980  
 tgccagttgt ataactgaaa aaggacttt ctaccaggtg tgaccttta agtgaaaatc 2040  
 tgaattgttc taaatggaaa gaaaaaagt tgaccctag gcaaggggat gagaccgag 2100  
 ctctaggact ggtttgggga cgggtggga actgctgag atggggggtg tccctcagc 2160  
 gaggaatgg cggggagggt gcattcttga actgctgag gatggggaag gctttcagct 2220  
 ggaggccaag ggaggggagc agcctagtgt gtcttgaga gatggggaag gctttcagc 2280  
 gatttgaga agttgccat gtgggcccac ccatcagggc tggccgtgga cgtggcccct 2340  
 gccactcac ctgccgcct gccgcccgc ccgcatagca cttgcagacc tgcctgaacg 2400  
 cacatgacat agcattgcc gatctgctg tgcccagaag tggcccttg ccgagcgccg 2460  
 aactogctcg cctctagat gtccaagtgc cacgtgaact atgcaattta aagggtgac 2520  
 ccactagga cgaactgga ctgtaagac tcttttata ttttatac ttgaaatgaa 2580  
 atcctttgct tctttttta gcgaatgatt gcttttaatg tttgcaactg tttagttgca 2640  
 tgattagtca gaaactgcca tttgaaaaa aagttatttt tatagcagc 2689

<210> 1351  
 <211> 8841  
 <212> DNA  
 <213> Homo sapiens

<400> 1351  
 aggtctgccc gttcagctgc cgcggggcgg gccggggcct gcggcgtcgt gcgcccgtgcg 60  
 ggaccagttc caggcggcg agaccgcgca gggcggggcg gggcgaggcg gccgcagggc 120  
 ggggagggcg gggagaggcg gccgcagggc ggggagggcg gggcgcgagc ccgggggcgg 180  
 gggccacgcg tggggcaggg ggtgctcggc tcgggtgacg tcggcccgc gccgcccac 240  
 cagtcgccg cggggccggg ttgccaccgc cggccccgc cctccccgc gcggtgtccc 300  
 ggccggaacc gatcgtggct ggtttgagct ggtgctctc catggcgacc cgcgggtgct 360  
 ataagtaggg agcggcgtgc cgtggggctt tgtcagtcct tctgtagcc gccgcccgc 420  
 ccgcccgcgc ccgcccctct gccagcagct ccggcgccac ctggggcccg cgcgctgca 780  
 gggcgggagc caggcgtgga cggcgcgggc gggggcgggc gagcgtctct ggcgctctga 840  
 ctgaggtccc ggcgtctgcg ctccccatg gggctggcct gcggcgctct ggcgctctga 900  
 ggtgagggac tcccgggccc cggaggaagg gagggagcga gggcgggagc gggcgggg 960  
 gcgggcccgc gccggggcac gtgtgaggcg cgcctcgccg gcctgcggag acacgt 1020  
 gccgagcggg ccacgacctt gaggcgcgc ttcctcccgc cccgggggtc tccc  
 ggataagggg gatccggggc cctcgttctg cccccgtctt cacagctcgg gg  
 gcctagggga gaccacccg gagaccctgc gggcggcgcc tggcggcg  
 cggcggccgc gcgtggcg gggagccgtt ggggagggcc tggcggcg  
 caggggcgca gagcctgggc tcgccttgg acagacgagc gggcccgc

tcagtttctt	tccagttttt	attttcgctg	tgtctacaga	gcagatgaca	ccaatttgga	1080
aaccgcgcag	agtgggtaga	gctaagatag	tcttgctgta	gtagctgtga	tattagatgc	1140
tcggccatga	cttagagggtg	tttatTTaag	gactgtgaat	gactcgggtga	tttcggaaaa	1200
gcttggttta	gatgaacgga	catacacagg	ggagacagcc	ctaaggtttg	cagaaaaggc	1260
tgattgtgct	gtttgcgaag	tcgaaataat	tggtgaaagt	gtagaaggca	gaacctctca	1320
ggaatgtctg	gggaggacaa	agaatgtggt	ggctgacttt	gtttaaacat	aaaattgggc	1380
agactttaat	tgatttgtga	aatttttttc	aaagtttggt	tgaattagcc	cctatctctt	1440
ctaacattat	cctcttgtgc	taattgattg	accattttta	ataacttagc	tgttacagaa	1500
agaccgaaag	gtgttcttca	gtaaaatata	ttcaagtaag	ttacttaagt	aacgccttaa	1560
aagatacaga	aaagcaaaaa	agtattggcg	tattaaaaag	aatcaaaac	tttccaagtt	1620
taggcctgaa	cattgcctta	aaaatatTTa	ataaggcctc	aatgaccca	gtccgagact	1680
gcatgagcct	atTTattatt	aaattgtaaa	tattcttcat	ataaacaaaa	atatataacc	1740
atgtctgtaa	caaaaatggt	tttgctagcg	ttgttactct	cttcccttct	ccgaggggtg	1800
atTTaggcaa	cttcggagggt	tgacaatgcc	aagcagtcac	aatagataga	gctTTaaagc	1860
aaattctatg	catgggTTtg	gatttatgac	aggcccgtca	ccctgggcct	gtcatagtac	1920
cccatgccag	agcaaactgt	gtccccgaac	cattgcctgg	cctctgtgcc	cgtaggctgc	1980
tggcactgaa	gtgggttgca	cagtggaaaa	gaagaaagct	ctacctggca	gaaattttta	2040
aaggTTaaaa	taaataatTT	taagaaagct	ggttcacaag	gtgccacatt	tgatgaaagc	2100
aaaatacagt	ggctTTttatt	gttactagag	tgatgttctt	gcttgTTTTt	ctTTTTtggt	2160
gaagTTagcc	ccaaattatt	ctcatagcta	agcaaatacg	agagtgactg	taaggacagt	2220
tggcattccc	ggaattgcta	aacttggtag	gcaacgctgg	TTtaagaata	ctgagttcta	2280
gccgggcgtg	gtggctcacg	cctgtaatcc	caacactTTg	ggaggctgag	gcaggcggat	2340
cacctgaggt	cgggagTTtg	agaccagcct	gactaacatg	gagaaacgcc	atctccacta	2400
aaaatataaa	attagccagg	ccccgggtgt	ggtggcacat	gccggtaatc	ccagctactc	2460
gggagactga	ggcaggagaa	tcgcttgaac	ccaggaggcg	gaggttgagg	tgagccgaga	2520
tcatgccatt	gcactccagc	ctgggcaaca	agagtaaaac	tctgtctcaa	aaaaaaaaaa	2580
aaaaaatact	gaattctgat	caggtaacag	caactgtaat	acaatgtgat	aagttgactt	2640
gaagattaca	gtTTTTaaga	agtatatacc	cagctaatac	atgaaaatta	actcgtaaaa	2700
tctcaaatgc	tccagacatt	tccatgatgc	ctgttggtca	gtaaaaatca	ttctaagact	2760
tagtggaaagt	aggaaatggt	tgtatggcaa	cgtggtgaaa	tcctgtctct	actaaaaatg	2820
tgtataaagg	ctataatgta	atcccagcac	tttggaagac	cgaggcgggt	ggatcacctg	2880
gggtcaggag	tttgagaccc	acctggacca	caaaaattag	ccgggcagtg	tggcaggcgc	2940
ctgtaatccc	agctgctggg	gaggctgagg	caggagaatc	gcttgaaccc	gggaggcaga	3000
ggttgcaagt	agccaagatt	gcaccgctgc	actccagcct	gggtgacagc	gtgagactct	3060
gtctcaaaaa	aaataaaaaa	gtctataatg	ctattTTaag	tttctaagga	actgaaactg	3120
ctctgaaata	aatcagacca	ttataagact	tttttccata	tcagtgagct	aagtgcagat	3180
aagcttctga	aacttgcatg	ctagatTTTT	ttggtacaaa	tatttgaaat	gcttagtgtg	3240
ctgccttgga	aaaacctggt	atTTTTtggt	gtgtccttat	actgccaagg	tttatggaat	3300
catgtacctt	atgcctagta	ataattagga	tgaccaggcc	agtgagtggg	tcatatccgg	3360
ggcatgatta	gctctgcgtg	tgctcagcca	gtgccccatc	ttcaactcga	tgtgttccta	3420
aggtagacag	caaattccct	atTTtatTTc	tcagattgtc	actgctgttc	caagggcaca	3480
cgcagaggga	tttggaattc	ctggagagtt	gcctttgtga	gaagctggaa	atatTTcttt	3540
caattccatc	tcttagTTTT	ccatgtaagt	attcagTTta	catttatggt	gcaggTTaat	3600
cttaagaatt	gtattgctaa	ggcttctaa	tgaatttctc	cactctatTT	gcattTTggt	3660
gcatttcaga	ggaacatcaa	gaaatcatga	acaactTTtg	taatgaagag	tttgactgcc	3720
acttctcoga	tgaaggTTTT	actgccaagg	acattctgga	ccagaaaatt	aatgaagTTt	3780
cttcttctgt	aagtatatga	ggcccatgct	ggcagtgcag	ctgagagtgc	caggcaagtg	3840

gaaaactttg	gcaaggctcta	aggaagagca	atgaggctta	catgtcttgt	tatggaatgt	3900
agaaattaat	tcactggtgg	taaattaata	gtgataatgg	tgatactcat	atcagtggct	3960
agactcaaaa	gagcaggatt	cattgtgact	gatgggaatg	aaggctcgctg	gctattgggtg	4020
tggtgtgtgg	tgaggctgct	agtgagtcac	ctgtgaccac	tcttgtttca	ggatgataag	4080
gatgccttct	atgtggcaga	cctgggagac	attctaaaga	aacatctgag	gtggttaaaa	4140
gctctccctc	gtgtcacccc	cttttatgca	gtcaaagtga	atgatagcaa	agccatcgtg	4200
aagacccttg	ctgctaccgg	gacaggattt	gactgtgcta	gcaaggtaag	cgatagcagc	4260
aggcctcaaa	agcgttgat	aaaatgggcc	tggtattccc	cacgaggcag	atacaagttg	4320
tgttttttgg	gcaataaatg	ctcactaaag	gcaaatgggg	cgggggggta	catgacaact	4380
tcccatgctt	ttctgtttat	tccacgtgtt	aagccacata	tggatagcat	gacaccactc	4440
ttctttttca	gactgaaata	cagttgggtc	agagtctggg	ggtgcctcca	gagaggatta	4500
tctatgcaaa	tccttgtaaa	caagtatctc	aaattaagta	tgctgcta	aatggagtcc	4560
agatgatgac	ttttgatagt	gaagttgagt	tgatgaaagt	tgccagagca	catcccaaag	4620
caaagtgagt	tattccccca	tctgagggca	agatcgggag	cataagatat	gtggattcct	4680
atcaaacaaa	cttaaatttc	tgattattat	atttctatac	tttagtagaa	agtagttgaa	4740
acccccattg	agtcataag	cctgggactc	aaactacaga	atatacagc	gacagtattt	4800
agaacaggat	tgtttttatt	ttaattgtgg	ctataagtga	acatctatca	tgagacattt	4860
gctgcacttt	ccttgcttgt	aggttggttt	tgcggtattg	cactgatgat	tccaaagcag	4920
tctgtcgtct	cagtgtgaaa	ttcgggtcca	cgctcagaac	cagcaggctc	cttttggaac	4980
gggcgaaaga	gctaaatc	gatgttgttg	gtgtcaggtg	agattttggg	gggatagcta	5040
gaggtcaaga	cattgaacag	tttgagtttt	acaggctttc	tcctagtgtt	tgctattatt	5100
ttaagaaata	ctaagacaca	gtgtctcgtc	tctttatttt	accccagctt	ccatgtagga	5160
agcggctgta	ccgatcctga	gaccttcgtg	caggcaatct	ctgatgccc	ctgtgttttt	5220
gacatggggg	tgagtatacg	tgacctgtt	aggggaaggg	gggacacaac	tgacaataac	5280
tagtcttaat	tctagagtta	actttttatg	gcagttgggt	ctgtattaca	tgggtttcag	5340
cctatctgct	gcatacattt	ttgttattag	ctgtggatct	ggctgactta	ttttcttgat	5400
tctaggctga	ggttggtttc	agcatgtatc	tgcttgatat	tggcgggtgg	tttctggat	5460
ctgaggatgt	gaaacttaaa	tttgaagagg	taatttagaa	caaaactgta	atactcagta	5520
gccgttctaa	taaattcctt	tttgaatat	ttcaaaattt	aagtgtctta	actaatacca	5580
caatgggctg	aagtgtcttg	gtgtgatatt	tttgagtgat	ttctttgtgc	tgtctgacat	5640
tacacttgat	accatttggt	tttctaaagt	gtgaatcagc	tttcccagaa	gtcttgata	5700
attggttaca	ttggaaatca	tggtcacac	ctgtaatcca	gcacttgggg	aggccaaggt	5760
ggtaggatca	cttgagccca	ggagtttgag	accagcctgg	gcaacacagt	gagaccccat	5820
ctctacaaaa	aaaattttta	aattagcctg	gtgtgggtgg	gggcacctgt	aatcccagct	5880
acttgaagg	ctgaggtggg	aggatcactt	gagcccagga	ggttgaggct	gcagtgagcc	5940
atgatcatgc	cactgcactc	agcctgggct	acagagtgag	accctgtctc	aaaaaaaaa	6000
aagaaaaagc	atgttgctgt	gggcttccta	gagaatatgc	tgactgtagc	acatcatcac	6060
cccaaagtgt	ctttgctaga	cctatgcttc	ctctccttaa	aatacttgaa	atgtttagtc	6120
acttaggaag	ttaagccatt	atattggtgc	ttgaatttat	aaaatatatc	cacatggttt	6180
gttaaaatca	tgacgtaggc	agaataggat	ttttatcctg	ttggcatgta	tttgttaaaa	6240
tgttttgaca	tcttgatgcc	ttcctaggta	gtagttagtt	gcgtactgtt	ctttgataaa	6300
aatcataccc	ataacatcct	aaaggagata	gggtgcctgg	aggggaatga	aaacgagcca	6360
cctgggatat	gtagcctggt	tttcagggag	atgttgatgt	ttttttgctt	ttgttacttt	6420
aatgataaac	ctgtctgttg	atgcctggtc	tcatgatgtc	atgtcacaag	gcctgtgat	6480
gttactcccc	catgtgaatt	tcccacaatg	aaggctgctc	tttcttttct	gtttcactct	6540
cttagatcac	cggcgtaatc	aaccagcgt	tggacaaata	ctttccgtca	gactctggag	6600
tgagaatcat	agctgagccc	ggcagatact	atgttgcatc	agctttcacg	cttgagttta	6660
atatcattgc	caagaaaatt	gtattaaagg	aacagacggg	ctctgatggg	atgtataaag	6720

gacgaatcac	ttcatgtata	actgaaagct	gatgcaaaaa	gtcattaaga	ttgttgatct	6780
gcctttctag	acgaagatga	gtcgagtga	gagaccctta	tgtattatgt	gaatgatggc	6840
gtctatggat	catttaattg	catactctat	gaccacgcac	atgtaaagcc	ccttctgcaa	6900
aaggtaattt	ctgagcatac	tgtataaaac	aattaagagg	actggtcaca	acacgtgtaa	6960
ttaagtagta	cttcctctct	ccgtctcttt	atatagagac	ctaaaccaga	tgagaagtat	7020
tattcatcca	gcatatgggg	accaacatgt	gatggcctcg	atcggattgt	tgagcgctgt	7080
gacctgcctg	aaatgcatgt	gggtgattgg	atgctctttg	aaaacatggg	cgcttacact	7140
gttgctgctg	cctctacgtt	caatggcttc	cagaggccga	cgatctacta	tgtgatgtca	7200
gggcctgcgt	ggtaagtaag	ccatgcatgt	tgatggtgct	gccaaagaata	ggcaccttct	7260
tggatgtgtg	cttcttgtct	agacgaataa	gaaattgtct	tgccctaagat	taaatatata	7320
tggatatttt	tcctaagaaa	agtttttagaa	aagactgatg	agtgtatttc	tatgtaattg	7380
gaatatattt	aagttcatgc	catgtgtctt	gtggtttcct	tattaccaa	acggtgactg	7440
aagaaacgct	tgcttttagaa	atacattgaa	ttggccaggt	gtgctggctc	acacctgaaa	7500
tcacaacaca	ttggggaggcc	aaggcagaag	gatcacttga	gcccaggagt	tcgagcctgg	7560
gcaacatagt	gagaccctgt	ctctacaaaa	aattaaanaa	ttagttggcc	atggtagtgg	7620
gcgcctgtag	tcccagctgc	ttggctaagg	tgagaggttt	gcttgagcct	gggaggttga	7680
ggctgcggtg	agctatgata	gcaccattgt	attccagcct	gagtaacaga	gaaagaccct	7740
gtctcagaaa	aaaaaaaaaat	acattgaatt	gtttcctgat	ggaagtaaat	actctcatgc	7800
ccagttagga	gtgagtcagg	gttttttaata	tgccactttt	tctttctcag	gcaactcatg	7860
cagcaattcc	agaaccccga	cttcccaccc	gaagtagagg	aacaggatgc	cagcaccttg	7920
cctgtgtctt	gtgcctggga	gagtgggatg	aaacgccaca	gagcagcctg	tgcttcggct	7980
agtattaatg	tgtagatagc	actctggtag	ctgttaactg	caagtttagc	ttgaattaag	8040
ggatttgagg	ggaccatgta	acttaattac	tgctagtttt	gaaattgtct	tgtaaagagta	8100
gggtcgccat	gatgcagcca	tatggaagac	taggatatgg	gtcacactta	tctgtgttcc	8160
tatggaaact	atttgaatat	ttgtttttata	tggattttta	ttcactcttc	agacacgcta	8220
ctcaagagtg	cccctcagct	gctgaacaag	catttgtagc	ttgtacaatg	gcagaatggg	8280
ccaaaagctt	agtgttgtga	cctgtttttta	aaataaagta	tcttgaaata	attaggcatt	8340
gggacgtttt	tatggtgtgt	tcattccaga	cagttcacga	atcccgtata	gctcgctctg	8400
attctcagag	aacaatgagt	gggtccaccc	acacacaggt	aggaggacag	gtgagacgga	8460
agccccatcc	tcccatgtgg	acgggtgcaca	tctgctcagc	ccaccccaca	tgtccagagt	8520
tggctgcaaa	ctccttgtcc	agagcctctg	gtgggtgggac	ctacttaagt	ctgacggacc	8580
tgtcctgtcc	aggccagtg	ccagggaagg	tgtgggaggc	cctttgagcc	tggcctgcag	8640
agaccatccg	tgtccctctc	caccttcatg	cctgtgagaa	gttaggaatg	tatacggtac	8700
cacatttggc	agtcagctta	ttttaataaa	ttcagcaaca	gcaagtcctt	accatgttgt	8760
gtatcttcac	catcttgtct	gaccatgacc	actggccttg	tgtgttcttt	tactcaacgt	8820
qtacccccgc	tctcccccaa	a				8841

```
<210> 1352
<211> 4270
<212> DNA
<213> Homo sapiens
```

<div> <div>&lt;400&gt;</div> <div>1352</div> </div>						
agagtcctgg	atgagacggc	tcgagagcgt	gccccggctgc	agatagagat	tgggaagctg	60
agggcagagt	tggacgaggt	caacaagagc	gccaagaaga	gggagggcg	gcttacggtg	120
gcccagggcc	gtgtgaagga	cctggagtc	ctgttccacc	ggagcgaggt	ggagctggca	180
gctgccctca	gcgacaagcg	cggcctggag	agtgacgtgg	ctgagctgcg	ggcccagctg	240
gccaaaggccg	aggacgggtca	tgcagtggcc	aaaaagcagc	tggagaagga	gacgctgatg	300
cgtgtggacc	tggagaaccg	ctgccagagc	ctgcaggagg	agctggactt	ccggaagagt	360
gtgttcgagg	aggaggtgcg	ggagacgcgg	cggcggcacg	agcggcgctt	ggtggaggtg	420
gacagcagcc	ggcagcagga	gtacgacttc	aagatggcac	aggcgctgga	ggagctgcgg	480

agccagcacg	acgagcaagt	gcggtctctac	aagctggagc	tggagcagac	ctaccaggcc	540
aagctggaca	gcgccaagct	gagctctgac	cagaacgaca	aggcggccag	tgcggtctgc	600
gaggagctga	aggaggcccc	catgcgcctg	gagtcctca	gctaccagct	ctccggcctc	660
cagaagcagg	ccagtgccgc	tgaagatcgc	attcgggagc	tggaggaggc	catggccggg	720
gagcgggaca	agttccggaa	gatgctggac	gccaaggagc	aggagatgac	ggagatgcgg	780
gacgtgatgc	agcagcagct	ggccgagtac	caggagctgc	tggacgtgaa	gctggccctg	840
gacatggaga	tcaacgccta	ccggaagctc	ctggagggcg	aggaggagag	cctgaagctg	900
tccccagcc	catcttcgcg	cgtcacgcgc	tcacgagcca	cctcgagcag	cagcggcagc	960
ttgtccgcca	ccgggcgcct	gggcccagct	aagcgggaagc	gctggagggtg	gaggagccct	1020
tggcagcggc	ccaagcgtcc	tgggcacggg	cacgggtggc	agcgggtggc	tccacctggc	1080
ccagcaggcc	tcggcctcgg	gcagcgtcac	atcgaggaga	tcgacctgga	gggcaagttt	1140
gtgcagctca	agaacaactc	ggacaaggat	cagtctctgg	ggaactggag	aatcaagagg	1200
caggctcttg	agggggagga	gatcgcctac	aagttcacgc	ccaagtacat	cctgcgggcc	1260
ggccagatgg	tcacggtgtg	ggcagctggg	gcgggggtgg	cccacagccc	cccctcgacg	1320
ctggtgtgga	agggccagag	cagctggggc	acgggcgaga	gcttcgcgac	cgtcctgggt	1380
aacgcggatg	gcgaggaagt	ggccatgagg	actgtgaaga	agtctcgggt	gatgcgtgag	1440
aatgagaatg	gggaggaaga	ggaggaggaa	gccgagtttg	gcgaggagga	tcttttccac	1500
caacaggggg	acccgaggac	cacctcaaga	ggctgctacg	tgatgtgaac	ccacactcct	1560
catccacaca	cctttcttta	cccagagcca	ctgaaaacta	ttttttatca	ttggctttct	1620
ttagttcttg	atacatttct	agagaatttc	taagcgaact	gccagaacgt	gtgggtgggt	1680
ctccccagc	cctccctcct	ggcgggtctc	ctccagcctc	acttcgctgc	cacttcgcgc	1740
ctgccccgga	gacttttcaa	tcccacccca	ctcctcatct	caccatttgg	tcaaattgga	1800
agcccagggc	caggaccctg	aggttttagaa	gatgcttggg	cttggaggga	ggagggccgg	1860
cgaggctagc	gaggggacag	gagacggccc	tgctgcggac	ggagcgcgga	aactgcgtag	1920
gaattcagtg	gtggtgggtt	tttttaaggc	tttctacaaa	accaaattca	gaatccaggc	1980
gtcgacctgg	tggggcccgg	ggcaagcctg	cattctgggt	gccagcttc	ggacagcggg	2040
aactcctcag	gcagccacgc	agcgggtgtg	ggccagcatg	gggatggcgt	ggccccaggg	2100
gggttttcac	tccgctgcct	gggcttccag	attcccgttc	tggcagcgac	cggccgggtt	2160
tctcggaccg	ttgactttat	ttgggggagt	tttccgcgag	ttcagttcct	gactgtgcaa	2220
ggccaacagg	gcaggggagg	ggaagacctg	gggaaggaa	aatgaggaca	cagtcccgtc	2280
gtaagacctg	tcacaacaat	aagcagggag	gggagatgtg	gaggggacac	atctggttgc	2340
cttgagggca	gaagctgtga	gtttcagaac	agctgtctgc	agggaacgcc	accatgttga	2400
ccctctggag	gagagcgtg	tggagccctt	cccgtgttcc	agctccgtct	gccctgtgcc	2460
tatatatcac	atgcgtctat	catactgtgt	ctttatctgt	gatttttctc	gctgaaacat	2520
gtttctcaga	cagccaaggc	cacctgactc	ctatcacgac	gcacccaagc	ccctcagtc	2580
agcttcccaa	tgcttggcac	ccccttcggc	aatagctcac	cgtttacacc	ctccctcata	2640
gatacacaga	agttattttt	ttaatggata	tttatttttt	tacattggtc	agtacacagg	2700
tcagggagct	cacgccaggg	ccttgaggac	aggctgacct	tcctccccgg	ggtggcgtgg	2760
ggctggggca	ccccgacgg	cagagcctcc	ttcagaaagt	gcagctcaag	tcttaaagac	2820
acaaaaactg	agccatgggc	acgcgcgcgc	tccgggccat	ggcgttcact	gcagggcggg	2880
ggcggcaccg	ctccctgtg	actgcattcc	gcctccctgg	ggacctgcct	gtggcaggaa	2940
ggaatggggg	gccccagccc	aggccgggaa	ggagccagcg	gccgacaaag	cagaaacacc	3000
gctgctccac	gtagccctg	ctggctgtcc	ttgctctcag	aagtcccggg	cccatgtaga	3060
tagagcccgg	cggatcttac	caaagcattt	cctcctggag	gctacgcgcg	ttggtgctcc	3120
cagtgaggcg	gctggtaggg	agctttgcct	gccccgggga	tacctctac	cagccgctgg	3180
aagtgggaat	gctggcgaca	gactgtgtct	gtttcccacc	ttcatagcag	gaatcacccg	3240
gacctgactg	gctgggcttc	gtgctagcga	gggttttctg	ggggtgggtc	ttggtgatct	3300

[illegible]

<400>	1353						
tcgaattccg	gaagccgctc	ccgacaccct	ttgcctggct	ctgtccatat	tagttcccag		60
gcggccgctc	cgttccagca	gcggcacgca	gcgcaggcgg	agcggcagcg	gggcctcggc		120
tctatagagc	cgagccgctg	gtacccgccc	ggtaccgcgc	gagccagtgc	ccctggatct		180
tgctctgct	ccgacgccgt	tccccaccag	ttagcgacag	cgcccgcccc	tctgaggaga		240
cacgaaggtg	gttccccagc	cgtctaaatt	tccggaccac	cgcgctttcc	cctcctcagc		300
ctgggctgtg	ctctctctag	aatcctcggg	ccccacttt	cttcccaaac	tcctcctaaa		360
tctctcacac	acgcgagtgt	tcccagccct	caagccagct	gctcctcctc	cgttcatttt		420
ctgcccctct	tcgcaaagca	cccccgggat	catcctccga	gggcgacttt	ttgagaaatc		480
tcggtggagt	agtggaccag	agcaggggag	tttttaaaag	ccggggcgcg	agaaacagga		540
agggtactatg	gcttcctcgt	ctggcaacga	tgatgatctc	actatcccca	gagctgctat		600
caataaaatg	atcaaagaga	ctcttcctaa	tgtccgggtg	gccaacgatg	ctcgagagct		660
ggtggtgaac	tgctgcactg	aattcattca	ccttatatct	tctgaagcca	atgagatttg		720
taacaaatcg	gaaaagaaga	ccatctcacc	agagcatgtc	atacaagcac	tagaaagttt		780
gggattttggc	tcttacatca	gtgaagtaaa	agaagtcttg	caagagtgtg	aaacagtagc		840
attaaaaaga	agaaaggcca	gttctcgttt	ggaaaacctt	ggcattcctg	aagaagagtt		900
attgagacag	caacaagaat	tatttgcaaa	agctagacag	caacaagcag	aattggccca		960
acaggaatgg	cttcaaatgc	agcaagctgc	ccaacaagcc	cagcttgctg	ctgcctcagc		1020
cagtgcattct	aatcaggcgg	gatcttctca	ggatgaagaa	gatgatgatg	atatctgaaa		1080
ttcaccagct	gagtttctat	ttcttctata	aatgtttttc	cctgcacaac	aaaaacagtg		1140
aaagaaatgc	ttatctgtaa	ttttgtatgc	atcttggtgg	acttgtcatt	ggtattctag		1200
agatgtctgc	tataagtttc	atctgtttgtg	tgctatacat	gtaaaaactg	tctctttgaa		1260
ctattgaaaa	tttaaggttc	agtataatat	caattttgaa	tttttctctg	tgtttatgaa		1320
atttttagata	gcagcaagtc	ttcgtttgat	cataaacagt	gtacagataa	ctcaa		1375

513

cagggtgcgc	tgttctcgga	gtccgaccca	ggggcactca	cgcccactgg	tgcgaccceg	120
acagcctggg	actgacccgc	cggcccaggc	gaggctgcag	ccagaggggt	gggaagggat	180
cgcgctcgcg	gcattccagag	gcggccaggc	ggaggcgagg	gagcaggtta	gagggacaaa	240
gagcttttga	gacgtccccg	gcgtcctgcg	agcgccagcg	gccgggacga	ggcggccggg	300
agccccggaa	gagcccgtgg	atgttctgcg	cgcggcctgg	gagccgccgc	cgccgccgcc	360
tcagcgagag	gaggaatgca	ccggccgcgc	cgccgcggga	cgcgcccgcg	gctcctggcg	420
ctgctggccg	cgctgctgct	ggccgcacgc	ggggctgctg	ccaagaaac	agagctgtca	480
gtcagtgtcg	aattagtgcc	tacctcatca	tggaacatct	caagtgaact	caacaaagat	540
tcttacctga	cccttgatga	accaatgaat	aacatcacca	cgtctctggg	ccagacagca	600
gaactgcact	gcaaagtctc	tgggaatcca	cctcccacca	tccgtgggtt	caaaaatgat	660
gctcctgtgg	tccaggagcc	ccggaggctc	tcctttcggg	ccaccatcta	tggctctcgg	720
ctgcggatta	gaaacctcga	caccacagac	acaggctact	tccagtgcgt	ggcaacaaac	780
ggcaaggagg	tggttttcttc	cactggagtc	ttgtttgtca	agtttggecc	ccctcccact	840
gcaagtccag	gatactcaga	tgagtatgaa	gaagatggat	tctgtcagcc	atacagaggg	900
attgcatgtg	caagatttat	tggcaaccgc	accgtctata	tggagtcttt	gcacatgcaa	960
ggggaaatag	aaaatcagat	cacagctgcc	ttcactatga	ttggcacttc	cagtcactta	1020
tctgataagt	gttctcagtt	cgccattcct	tcctgtgcc	actatgcctt	cccgtactgc	1080
gatgaaactt	catccgtccc	aaagccccgt	gacttgtgtc	gcgatgaatg	tgaaatcctg	1140
gagaatgtcc	tgtgtcaaac	agagtacatt	tttgcaagat	caaatcccat	gattctgatg	1200
aggctgaaac	tgccaaactg	tgaagatctc	ccccagccag	agagcccaga	agctgcgaac	1260
tgtatccgga	ttggaattcc	catggcagat	cctataaata	aaaatcacia	gtgttataac	1320
agcacagggt	tggactaccg	ggggaccgtc	agtgtgacca	aatcagggcg	ccagtgccag	1380
ccatggaatt	cccagtatcc	ccacacacac	actttcaccg	cccttcgttt	cccagagctg	1440
aatggaggcc	attcctactg	ccgcaaccca	gggaatcaaa	aggaagctcc	ctggtgcttc	1500
accttggatg	aaaactttta	gtctgatctg	tgtgacatcc	cagcttgoga	ttcaaaggat	1560
tccaaggaga	agaataaaaat	ggaaatcctg	tacatactag	tgccaagtgt	ggccattccc	1620
ctggccattg	ctttactctt	cttcttcatt	tgcgtctgtc	ggaataacca	gaagtcatcg	1680
tcggcaccag	tccagaggca	acaaaaacac	gtcagagggtc	aaaatgtgga	gatgtcaatg	1740
ctgaatgcat	ataaacccaa	gagcaaggct	aaagagctac	ctctttctgc	tgtacgcttt	1800
atggaagaat	tgggtgagtg	tgcctttgga	aaaatctata	aaggccatct	ctatctccca	1860
ggcatggacc	atgctcagct	ggttgctatc	aagaccttga	aagactataa	caacccccag	1920
caatggatgg	aatttcaaca	agaagcctcc	ctaattggcag	aactgcacca	ccccaatatt	1980
gtctgccttc	taggtgccgt	cactcaggaa	caacctgtgt	gcatgctttt	tgagtatatt	2040
aatcaggggg	atctccatga	gttcctcatc	atgagatccc	cacactctga	tgttggctgc	2100
agcagtgatg	aagatgggac	tgtgaaatcc	agcctggacc	acggagattt	tctgcacatt	2160
gcaattcaga	ttgcagctgg	catggaatac	ctgtctagtc	acttctttgt	ccacaaggac	2220
cttgacgtc	gcaatatatt	aatcggagag	caacttcatg	taaagatttc	agacttgggg	2280
ctttccagag	aaattttact	cgctgattac	tacagggtcc	agagtaagt	cttgctgcc	2340
attcgctgga	tgccccctga	agccatcatg	tatggcaa	tctcttctga	ttcagatatc	2400
tggctctttg	gggttgtctt	gtgggagatt	ttcagttttg	gactccagcc	atattatgga	2460
ttcagtaacc	aggaagtgat	tgagatgggt	agaaaacggc	agctcttacc	atgctctgaa	2520
gactgcccac	ccagaatgta	cagcctcatg	acagagtgt	ggaatgagat	tccttctagg	2580
agaccaagat	ttaaagatat	tcacgtccgg	cttcggtcct	gggaggggact	ctcaagtcac	2640
acaagctcta	ctactccttc	aggggggaa	gccaccacac	agacaacctc	cctcagtgcc	2700
agcccagtga	gtaatctcag	taaccccaga	tatcctaatt	acatgttccc	gagccagggg	2760
attacaccac	agggccagat	tgtcggtttc	attggccccg	caatacctca	gaaccagcga	2820
ttcattccca	tcaatggata	cccaatacct	cctggatatg	cagcgtttcc	agctgcccac	2880



```
taccagccaa caggtcctcc cagagtgtgatt cagcactgcc cacctcccaa gagtcggtcc 2940
ccaagcagtg ccagtggtgc gactagcact ggccatgtga ctagcttgcc ctcatcagga 3000
tccaatcagg aagcaaatat tcctttacta ccacacatgt caattccaaa tcatcctggt 3060
ggaatgggta tcaccgtttt tggcaacaaa tctcaaaaac cctacaaaat tgactcaaag 3120
caagcatctt tactaggaga cgccaatatt catggacaca ccgaatctat gatttctgca 3180
gaactgtaaa atgcacaact tttgtaaatg tggatatacag gacaaactag acggccgtag 3240
aaaagattta tattcaaagt tttttattaa agtaagggtc tcatttagca gacatcgcaa 3300
caagtacctt ctgtgaagtt tcactgtgtc ttaccaagca ggacagacac tcggccag 3358
```

```
<210> 1355
<211> 450
<212> DNA
<213> Homo sapiens
```

```
<400> 1355
gtgactgtga ggactgtgga taacctgtctg gaggtgtctg cccggcaccc ccagcgcttg 60
gaccgccacg gcttcgtgtc ccgagagttc tgccgcacct atgtcctgcc tgctgatgtc 120
gacccttggc gagtccgagc tgctctctcc catgatggca tcttaaacct ggaagcacct 180
cggggtggcc gacatttggg cacagaggtc aatgaggtct acatctccct gctccctgcg 240
cctcctgatc cagaggaaga ggaggaggca gccatagtgt agccctgatt gccacagacc 300
cagcaccacg caaatccctc tctacctccc aaggtgatat ggccagctgc ccaccactcc 360
agaggtagca gcatccttgg ggggaaggga aggtgcatgg tccacaatgt atggtttggg 420
cccatgggac atgtcatagc cttgggtttg 450
```

```
<210> 1356
<211> 735
<212> DNA
<213> Homo sapiens
```

```
<400> 1356
gagtcctgccc ttgcgagctc agagtgtgcc cgtgcgcgcg cgcgctcgta cctgccgcgcg 60
ccgccaccgc caccatgccc aacttcgccg gcacctggaa gatgcgcagc agcgagaatt 120
tcgacgagct gctgaaggca ctgggtgtga acgccatgct gaggaaagtg gccgtagcgg 180
ctgcgtccaa gccgcacgtg gagatccgcc aggacgggga tcagttctac atcaagacat 240
ccaccaccgt gcgcaccact gagatcaact tcaaggctcg agaaggcttt gaggaggaga 300
ccgtggacgg acgcaagtgc aggagtttag ccacttggga gaatgagaac aagatccact 360
gcacccaaac tcttcttgaa ggggacggcc caaaaccta ctggaccctg gagctggcca 420
acgatgaact tatcctgacg tttggcgccg atgacgtggt ctgcaccaga atttatgtcc 480
gggaatgaag gcagctggct tgctcctact ttcaggaagg gatgcaggtc cccgaggaat 540
atgtcatagt tctgagctgc cagtggaccg cctttttccc ctaccaatat taggtgatcc 600
cgtttttccc atgacaatgt tgtagtgtcc cccaccccca cccccctggc cttggtgcct 660
cttgatatcc tagtgctgca tagcccgga tttgcacggt ttcgaagtca ttaaaactggt 720
tagacgtgtc tcaaa 735
```

```
<210> 1357
<211> 833
<212> DNA
<213> Homo sapiens
```

```
<400> 1357
cagaaattat ccagcaaact tatcatggat cctaatacaga acgtgaaatg caagatagtt 60
gtggtgggag acagtcagtg tggaaaaact gcgctgctcc atgtcttcgc caaggactgc 120
ttccccgaga attacgttcc tacagtgttt gagaattaca cggccagttt tgaaatcgac 180
acacaaagaa tagagttgag cctgtgggac acttcgggtt ctcttacta tgacaatgtc 240
cgccccctct cttaccctga ttcggatgct gtgctgattt gctttgacat cagtagacca 300
gagaccctgg acagtgtcct caaaaagtgg aaagggtgaaa tccaggaatt ttgtccaaat 360
acaaaaatgc tcttggtcgg ctgcaagtct gatctgcgga cagatgttag tacattagta 420
gagctctcca atcacaggca gacgccagtg tcctatgacc agggggcaaa tatggccaaa 480
```

cagattggag	cagctactta	tatcgaatgc	tcagctttac	agtcggaaaa	tagcgtcaga	540
gacatttttc	acgttgccac	cttggcatgt	gtaaataaga	caaataaaaa	cgtaaagcgg	600
aacaaatcac	agagagccac	aaagcggatt	tcacacatgc	ctagcagacc	agaactctcg	660
gcagttgcta	cggacttacg	aaaggacaaa	gcgaagagct	gcactgtgat	gtgaatcttt	720
cattatcttt	aatgaagaca	aaggaatcta	gtgtaaaaaa	caacagcaaa	caaaaaggtg	780
agtctaaatg	aagtgcacag	ccaaagtcac	gtataccaga	ggcttaggag	gcg	833

<210> 1358  
 <211> 2512  
 <212> DNA  
 <213> Homo sapiens

<400> 1358	caatgcactg	acggatatga	gtgggaccc	gtgagacagc	aatgcaaaga	tattgatgaa	60
	tgtgacattg	ttccagacgc	ttgtaaaggt	ggaatgaagt	gtgtcaacca	ctatggagga	120
	tacctctgcc	ttccgaaaac	agcccagatt	attgtcaata	atgaacagcc	tcagcaggaa	180
	acacaaccag	cagaaggaac	ctcaggggca	accaccgggg	ttgtagctgc	cagcagcatg	240
	gcaaccagtg	gagtgttgcc	cgggggtggt	tttgtggcca	gtgctgctgc	agtcgcaggc	300
	cctgaaatgc	agactggccg	aaataacttt	gtcatccggc	ggaaccagc	tgaccctcag	360
	cgcattccct	ccaacccttc	ccaccgtatc	cagtgtgcag	caggctacga	gcaaagtgaa	420
	cacaacgtgt	gccaaagacat	agacgagtg	actgcaggga	cgcacaactg	tagagcagac	480
	caagtgtgca	tcaattttacg	gggatccctt	gcatgtcagt	gccctcctgg	atatcagaag	540
	cgaggggagc	agtgcgtaga	catagatgaa	tgtaccatcc	ctccatattg	ccaccaaaaga	600
	tgcgtgaata	caccaggctc	attttattgc	cagtgcagtc	ctgggtttca	attggcagca	660
	aacaactata	cctgcgtaga	tataaatgaa	tgtgatgcc	gcaatcaatg	tgctcagcag	720
	tgctacaaca	ttcttggttc	attcatctgt	cagtgcgaatc	aaggatatga	gctaagcagt	780
	gacaggctca	actgtgaaga	cattgatgaa	tgcagaacct	caagctacct	gtgtcaatat	840
	caatgtgtca	atgaacctgg	gaaattctca	tgtatgtgcc	cccagggata	ccaagtgggtg	900
	agaagtagaa	catgtcaaga	tataaatgag	tgtgagacca	caaataaatg	ccgggaggat	960
	gaaatgtgtt	ggaattatca	tggcggcttc	cgttgtttatc	cacgaaatcc	ttgtcaagat	1020
	ccctacattc	taacaccaga	gaaccgatgt	gtttgccag	tctcaaagtc	catgtgccga	1080
	gaactgcccc	agtcaatagt	ctacaaatac	atgagcatcc	gatctgatag	gtctgtgcca	1140
	tcagacatct	tccagataca	ggccacaact	atttatgcc	acaccatcaa	tacttttcgg	1200
	attaaatctg	gaaatgaaaa	tggagagttc	tacctacgac	aaacaagtcc	tgtaagtgca	1260
	atgcttgtgc	tcgtgaagtc	attatcagga	ccaagagaac	atatcgtgga	cctggagatg	1320
	ctgacagtca	gcagtatagg	gaccttcgc	acaagctctg	tgtaagatt	gacaataata	1380
	gtggggccat	tttcattttta	gtcttttcta	agagtcaacc	acaggcattt	aagtcagcca	1440
	aagaatattg	ttaccttaaa	gcactatttt	atttatagat	atatctagtg	catctacatc	1500
	tctatactgt	acactcacc	ataacaaaca	attacacat	ggtataaagt	gggcatttaa	1560
	tatgtaaaga	ttcaaagttt	gtctttatta	ctatatgtaa	attagacatt	aatccactaa	1620
	actggtcttc	ttcaagagag	ctaagtatac	actatctggt	gaaacttgga	ttcttttcta	1680
	taaaagtggg	accaagcaat	gatgatcttc	tgtggtgctt	aaggaaactt	actagagctc	1740
	cactaacagt	ctcataagga	ggcagccatc	ataaccattg	aatagcatgc	aagggttaaga	1800
	atgagttttt	aactgctttg	taagaaaatg	gaaaaggcca	ataaagatat	atttcttttag	1860
	aaaatgggga	tctgccatat	ttgtgttggt	ttttattttc	atatccagcc	taaagggtgt	1920
	tgttttattat	atagtaataa	atcattgctg	tacaacatgc	tggtttctgt	agggtatttt	1980
	taattttgtc	agaaatttta	gattgtgaat	attttgtaaa	aaacagtaag	caaaattttc	2040
	cagaattccc	aaaatgaacc	agataccccc	tagaaaatta	tactattgag	aaatctatgg	2100
	ggaggatatg	agaaaataaa	ttccttctaa	accacattgg	aactgacctg	aagaagcaaa	2160
	ctcggaaaat	ataataacat	ccctgaattc	aggcattcac	aagatgcaga	acaaaatgga	2220
	taaaagggtat	ttcactggag	aagttttaat	ttctaagtaa	aatttaaatc	ctaacttctc	2280

actaatttat	aactaaaatt	tctcatcttc	gtacttgatg	ctcacagagg	aagaaaatga	2340
tgatggtttt	tattcctggc	atccagagtg	acagtgaact	taagcaaatt	accctcctac	2400
ccaattctat	ggaatatttt	atacgtctcc	ttgtttaaaa	tctgactgct	ttactttgat	2460
gtatcatatt	tttaaataaa	aataaatatt	cctttagaag	atcactctaa	aa	2512

<210> 1359  
 <211> 1673  
 <212> DNA  
 <213> Homo sapiens

<400> 1359	attccccgc	aggccgggca	tgggtggggg	cgccggggcg	tcacgatgag	cgccctgggc	60
	agcccggtcc	gggcctacga	ctttctgctc	aagttcctgc	tggtgggcca	cagcgacgtg	120
	ggcaagggcg	agatcctggc	gagcctgcag	gatggcgcg	ccgagtcctc	gtacggccac	180
	ccggcgggca	tcgactacaa	gacgaccacc	atcctgctgg	acgggcgggc	ggtgaagctg	240
	cagctctggg	atacttcagg	ccagggaaga	ttttgtacca	tattccgctc	ctactcccg	300
	ggcgacacag	gtgtgatcct	ggtctatgac	attgcaacc	gctggtcttt	tgacggcatt	360
	gatcgatgga	ttaaggagat	cgatgagcat	gccccggag	tccccaagat	cctggtgggg	420
	aaccgcctgc	acctggcggt	caagcggcag	gtgcccacgg	agcaggccca	ggcctacgcc	480
	gagcgcttg	gcgtgacctt	ctttgaggtc	agccctctgt	gcaatttcaa	catcacagag	540
	tcgttcacgg	agctggccag	gatcgtgctg	ctgcggcatg	ggatggaccg	gctctggcgg	600
	ccgagcaagg	tgctgagctt	gcaagacctc	tgctgccggg	cggtcgtgtc	ctgcacgccg	660
	gtgcacctgg	tgacaagct	cccgtctccc	attgccttaa	gaagccacct	caagtccttc	720
	tcgatggcca	acggcctgaa	tgccaggatg	atgcacggcg	gttctacttc	cctcaccacc	780
	agctccaccc	acaaaaggag	cagcctccgc	aaagtgaagc	tcgtccgccc	ccccagagc	840
	cccccaaaa	actgcaccag	aaacagctgc	aaaatttctt	aaggaaggca	ctgaaagaaa	900
	cacggcgga	tctctccagg	agaagctcgg	cgttaccccc	ggcagctggt	ggatgcattc	960
	cagatcccg	ttcctctcgg	cgaatgctgc	ttgcgaatgt	gtgcgacgcc	ttcgtgtga	1020
	tggaacaca	ctaccccgct	ggacttcgaa	tttctacgtg	gatgtgcatg	aagctcttgt	1080
	tttcgatgtg	tgtttgtaaa	gggaaaatta	gtactctgct	cgactcttgg	taacatgaaa	1140
	ttctgaatgt	tactttatca	tgattgcact	gcaacttttt	tccttaaaat	aactgctttt	1200
	gtaagaacgg	tgatattgga	gtgattagta	taaattcaat	ggaatttgag	aagcaatggc	1260
	agcgggataa	tttagagtca	ctgatattac	gagaggggtc	tttttgtaaa	cctccttttc	1320
	aatgtcaaag	caccaattta	taaaacgctg	cagatgtaga	ggttatgtgc	aactgatctg	1380
	tccagtttgt	gtatgaaatg	gatttgataa	agtttttgc	agttatttac	tacattttgg	1440
	gattaataag	tgatttatat	gcatattttt	ctgtaaatct	acagtttttt	gtacaagata	1500
	ttctacaagt	tatgaagcta	agggaaagaa	atgccaaaga	tacctctagt	tatgttgaac	1560
	acagccagca	cagtttcgac	aggtcaagga	agagctgttt	cagtaaagaa	tgaagtgaag	1620
	acacttattt	aggaaaatgt	ttctcaacaa	taaaatgtat	agttgtttct	ctc	1673

<210> 1360  
 <211> 3505  
 <212> DNA  
 <213> Homo sapiens

<400> 1360	cgccgcctgc	ccgcccgcgc	gctcgcccc	ggtcgggact	cctcctctc	ctcttctcgc	60
	attgcagttg	aaccacagcag	cccgcctcac	cggtggcttt	tgggggcaga	ccccggcggc	120
	tgtggcagga	ggcgggcggc	ggcggtgcg	gtcgaagaag	gggacgccga	caagagttga	180
	agtattgata	acaccaagga	actctatcac	aatttgaaaa	gataagcaaa	agtttgattt	240
	ccagacacta	cagaagaagt	aaaaatgcgt	ccaatgcgaa	tttttgtaaa	tgatgaccgc	300
	catgtgatgg	caaagcattc	ttccgtttat	ccaacacaa	aggagctgga	ggcagtcag	360
	aacatggtgt	cccacacgga	gcgggcgctc	aaagctgtgt	ccgactggat	acacgagcag	420
	gaaaagggtg	gcagcgagca	ggcagagtc	gataacatgg	atgtgcccc	agaggacgac	480
	agtaaagaag	gggctgggga	acagaagacg	gagcacatga	ccagaacctg	tcggggagtg	540

atgcgggctg	ggcctggtgg	ccaaagtgcc	tcctactcaa	gggggacttg	gatctggagc	600
tggtgctgct	gtgtaaggag	aagcccacaa	ccggccctcc	tggacaaggt	ggccgacaac	660
ctggccatcc	agcttgctgc	tgtaacagaa	gacaagtacg	aaatactgca	atctgtcgac	720
gatgctgcga	ttgtgataaa	aaacacaaaa	gagcctccat	tgtccctgac	catccacctg	780
acatcccctg	ttgtcagaga	agaaatggag	aaagtattag	ctggagaaac	gctatcagtc	840
aacgaccccc	cggacgttct	ggacaggcag	aaatgctttg	ctgccttggc	gtccctccga	900
cacgccaagt	ggttccaggc	cagagccaac	gggctgaagt	cttgtgtcat	tgtgatccgg	960
gtcttgaggg	acctgtgcac	tcgcgtgccc	acctggggtc	ccctccgagg	ctggcctctc	1020
gagctcctgt	gtgagaaatc	cattggcacg	gccaacagac	cgatgggtgc	tggcgaggcc	1080
ctgcggagag	tgctggagtg	cctggcgctg	ggcatcgtga	tgccagatgg	ttctggcatt	1140
tatgaccctt	gtgaaaaaga	agccactgat	gctattgggc	atctagacag	acagcaacgg	1200
gaagatatca	cacagagtgc	gcagcacgca	ctgcggctcg	ccgcgttcgg	ccagctccat	1260
aaagtccctag	gcatggaccc	tctgccttcc	aagatgccca	agaaaccaa	gaatgaaaac	1320
ccagtggact	acaccgttca	gatcccacca	agcaccacct	atgccattac	gccccatgaa	1380
cgcccaatgg	aggaggacgg	ggaggagaag	tcgcccagca	aaaagaagaa	gaagattcag	1440
aagaaagagg	agaaggcaga	gcccccccag	gctatgaatg	ccctgatgcg	gttgaaccag	1500
ctgaagccag	ggctgcagta	caagctggtg	tcccagactg	ggcccgtcca	tgcccccatc	1560
tttaccatgt	ctgtggaggt	tgatggcaat	tcattcgagg	cctctggggc	ctccaaaaag	1620
acggccaagc	tgacgtggc	cgtaaggtg	ttacaggaca	tgggcttgcc	gacgggtgct	1680
gaaggcaggg	actcgagcaa	gggggaggac	tcggctgagg	agaccgaggc	gaagccagca	1740
gtggtggccc	ctgccccagt	ggtagaagct	gtctccaccc	ctagtgcggc	ctttccctca	1800
gatgccactg	ccgagaacgt	aaaacagcag	gggccgatcc	tgacaaagca	cggcaagaac	1860
ccagtcatgg	agctgaacga	gaagaggcgt	gggctcaagt	acgagctcat	ctccgagacc	1920
gggggcagcc	acgacaagcg	cttcgtcatg	gaggtcgaag	tggatggaca	gaagttccaa	1980
ggtgctggtt	ccaacaaaaa	ggtggcgaag	gcctacgctg	ctcttgctgc	cctagaaaag	2040
cttttccctg	acacccctct	ctcgcccttg	atgccaaaca	aaagaagaga	gccccagtac	2100
ccgtcagagg	gggaccgaaa	tttgtctgta	agccacataa	ccctggcttc	ggcatgggag	2160
gccccatgca	caacgaagtg	ccccaccccc	ccaaccttcg	agggcgggga	agaggcggga	2220
cgatccgggg	acgagggcgc	gggcgaggat	ttggtggcgc	caaccatgga	ggctacatga	2280
atgccggtgc	tgggtatgga	agctatgggt	acggaggcaa	ctctgcgaca	gcaggctaca	2340
gtcagttcta	cagcaacgga	gggcattctg	ggaatgccag	tggcgggtggc	ggcgggggcg	2400
gtggtggctc	ctccggctat	ggctcctact	accaaggtga	caactacaac	tcaccggtgc	2460
ccccaaaaca	cgctgggaag	aagcagccgc	acggggggcca	gcagaagccc	tcctacggct	2520
cgggctacca	gtcccaccag	ggccagcagc	agtcctacaa	ccagagcccc	tacagcaact	2580
atggccctcc	acagggcaag	cagaaaggct	ataaccatgg	acaaggcagc	tactcctact	2640
cgaactccta	caactctccc	gggggcgggc	gcggatccga	ctacaactac	gagagcaaat	2700
tcaactacag	tggtagtgga	ggccgaagcg	gcgggaacag	ctacggctca	ggcggggcat	2760
cctacaaccc	agggtcacac	gggggctacg	gcggaggttc	tgggggcggc	tcctcatacc	2820
aaggcaaaca	aggaggctgc	tcacagtcga	actacagctc	ccgggggtccg	gccagaacta	2880
cagtggccct	cccagctcct	accagtcctc	acaaggcggc	tatggcagaa	acgcagacca	2940
cagcatgaac	taccagtaca	gataagcccc	gcgcggagat	ttctaccttc	tgcacttact	3000
ccccatcaga	agatcgagtt	ttatgcatca	cagttaacat	gtcagctgcc	tgcgctccag	3060
gccccgcgcc	ccatcccgtc	cacgttgctg	tgctgtgagg	tgcagcgggt	caccctgtgg	3120
cccgtcctgt	gacccatatt	tagccgtgtt	tgggactccg	tgtcttcaat	ggtttgttag	3180
ttgccattac	aactttgtct	gggtagagtt	tttgagtttt	tgcagttcag	tatccctctg	3240
tctattcaca	cttcgtgtta	gtggtaactc	agtttgtctt	taaatagtta	cagaagggat	3300
acgtcatttg	ttaatgcttt	ttgttgaagt	gagttaaacg	agcttttctg	tatttttaatg	3360

ctttagtgtt	tcagttttat	aagtgaagat	tttattttta	aaaccagtgg	gaaagagtgg	3420
gggggtttctt	tttatgtctg	ggtcattcag	gcagtacatc	tgaattaagc	tgaatgtaga	3480
caaataaaga	aaaacaaaac	tgaaa				3505

<210> 1361  
 <211> 2330  
 <212> DNA  
 <213> Homo sapiens

<400> 1361						
aaaggaccga	ggcgtgcagc	ggacagcaga	tggatcccgc	ggccagcagc	tgcatgagga	60
gctccagcc	cccagcccct	gtctggggct	gccttcgaaa	ccccactcg	gaaggcaatg	120
gggcctcagg	gtaccccac	taccgccc	ccccgttctc	cttccaccag	aaaccagact	180
tcctggcgac	agcgacggca	gcgtaccctg	acttctcagc	ctcctgcctg	gcagccaccc	240
cacacagcct	gccccaggag	gagcacatct	tactgagca	gcaccccgt	ttcccacagt	300
cccccaactg	gcacttccct	gtctcagacg	ccggcgagc	gcccactca	ggcccgagc	360
ggggttccaa	ggaaatggg	accagcagcc	tgggctggt	ggacaccaca	ggaggccag	420
gcgatgacta	cggggtgctt	gggagcactg	ccaatgagac	agagaagaaa	tcatccaggc	480
ggagaaagga	gagttcagac	aaccaggaga	acagagggaa	gccggagggc	agcagcaaag	540
cccgaagga	gaggacggcc	ttaccaagg	agcagctgcg	agagctggag	gcagagtttg	600
cccatcataa	ctacctgact	cggctccgca	gatatgagat	tgcggtaaac	ctggacctct	660
ctgagcgcca	ggtcaaagt	tggttccaga	accgaaggat	gaagtggaag	cgtgtgaagg	720
gaggtcagcc	catctcccc	aatgggcagg	accctgagga	tggggactcc	acagcctctc	780
caagttcaga	gtgagattct	gcattggagga	aaaatgacta	aggactgagc	cccctacca	840
actaccccca	ccccaatccc	accttcccc	tcttctctcc	ccagccaggg	cagcctctcc	900
acatctttcc	ctgactcttg	gatatgaaac	tgcccagcat	tcctgggagt	cttaggattt	960
tctaggaagt	tctgtccagc	ctcttagcag	cctcttccct	agggcctttg	ctcccacact	1020
ctcatggaat	cagacagaga	tcctaccggg	ccggatgaat	ctggaaacag	cttcagagat	1080
actgcttctc	agcgtctctt	ggctgccacc	catgcctcct	cctaccgctg	ttctcctagg	1140
tcagccaggc	ctcctcctgg	tctggacacc	acctggcctg	gtgggagagg	agctttggaa	1200
ccagctggcg	actcggaag	taaattgctt	aaaagggaag	aaatgacaga	gacacacgcc	1260
cttggccacc	ttcctctgta	ggctgcacat	ctgaggcttt	ggggccctt	agttgtcccg	1320
aaaccccaag	aaaaatcaga	atgaggagag	tcaaggacag	caactcagct	gctgcaagcc	1380
agaaacacat	ccctgtctcc	aaatttggtg	gctaagtggg	gacacttctg	agaactgact	1440
agagaagaca	agaaaatagc	ccgatgtagg	tttcgggtgt	cccatatagg	ccccgtccac	1500
acaggcttga	ctgggtggac	aagaatgaac	ccatgacagc	acctgctgct	tcaaaatcaa	1560
aatcaattta	gggatacagc	aggggctggt	gggctgtgct	ccagagaaaa	ggagcagcta	1620
ctccttttaa	atccacgatt	tctggattga	aaacctgtcc	agatgctgag	ttgttgggct	1680
gaacaactag	gagctgaaaa	caacgtagag	gctggaaagt	gtcccctgca	ttctggaggg	1740
gaggggagat	aataaggagg	gctgctgggt	gagggcctgg	agatgtggaa	ccctggagt	1800
gaaggtttct	ccagtgcag	tgtcctgtga	cwgcaaaagg	grasaagaaa	atccctcttc	1860
ctccatggga	tggatttaag	ctcttgctgt	gtgttctaca	aatgctgtta	ttgtgggagg	1920
aaatgctagg	tttttgtgtg	tggactgccc	agacctcagc	caggtcttct	ggagatgaca	1980
tttgaggact	gatggccaaa	gagcatgggg	gactgaagcc	ctggctgct	cagcgtctctg	2040
tctcccaaca	ccagctgggt	ttgcagaggg	aggtcaacgt	gagtttggat	ctcttgtacg	2100
cagatgtaat	cattcacatg	taaaaataac	cccacctccc	caccccaaaa	agggcaagag	2160
ctgtggaaaa	tgattgcaa	atgagatggc	tggttagagc	atgatttttt	ctaaagcata	2220
cttcataat	tttcttaaga	ttacatcaag	ctaattgtgc	gagctcaatt	cactttgtaa	2280
gaaaactctc	ggagaaataa	aatcaataaa	aagccaaaaa	aaaaaataag		2330

<210> 1362  
 <211> 2156  
 <212> DNA



tccagacatg	gtgaaagatg	tcatcggcag	ctacaagaag	tgggtgcagga	gcatectccg	480
gcgaccagc	ctcatcctcg	cccgggtgtt	cgggctgcac	ctgaggctaa	ccagcctgca	540
caccatggag	tttgcgctgg	tcaaagcgct	ggagcccag	gagctggaca	gggtggcgct	600
gagcaaccgc	atgcccata	caggcctcct	gctcatgatc	ctgagcctca	tctacgtgaa	660
gggccgcggc	gccagagaga	gcgccgtctg	gaacgtgctg	cgcatectgg	ggctgcggcc	720
ctggaagaag	cactccacct	tcggggacgt	gcggaagctc	atcactgagg	agttcgtcca	780
aatgaattac	ctgaagtacc	agcgcgtccc	atacgtggag	ccgcccgaat	acgagttctt	840
ttggggctcc	cgggccagcc	gcgaaatcac	caagatgcaa	atcatggagt	tcctggccag	900
ggtctttaag	aaagaccccc	aggcctggcc	ctcccatac	agagaagctc	tggaggaggc	960
cagagctctg	cgggaggcta	atcccactgc	ccactaccct	cgcagcagtg	tctctgagga	1020
ctagcaaagt	ctggaggcag	atgaatggtt	tctgaccctc	accagggtctg	tggaagggtg	1080
ggggtgggtc	attatagtat	tcaggattta	cagtgcagta	ttcacgtgta	acttttaagt	1140
tttcagtaca	gtgcttttat	acctttaatg	caatgttgta	ttcatttggg	tactattgtg	1200
tagtatttag	gatgtatgca	tgtttgttta	tatgtaagct	tggttgggtc	tttcgctttt	1260
gtgctacctt	tcttggattt	ttgtaccaga	gatgtgctaa	actgatgaaa	tacattgaga	1320
aagtttccat	cttattcttt	tatatgggac	tgatgatgtg	tgttggggta	gactgctcct	1380
gcagagtttg	gaagaagtca	ccagcaaagc	cggcctaacc	aagaaaagtc	aaggcccttc	1440
atgaccttgc	tgggcacaga	aaacaccctc	gtggagtaca	ctaatttgaa	ctggactggt	1500
ctcagtgtga	gcacttggca	cactttacta	aacacatata	caaccaccac	gtgagtcaac	1560
tttaaagtaa	acattaaaga	ttcttgtgat	ac			1592

<210> 1364  
 <211> 1303  
 <212> DNA  
 <213> Homo sapiens

<400> 1364	ctgccaatga	gctccgccga	gtagcaccgg	ggcaggggcta	gcgcttaaag	gagccgcgac	60
	ccctttgcag	accagagggg	gacccggatg	atggcggccg	gcgcgccct	agccctggcc	120
	ttgtggctac	taatgccacc	agtggagggtg	ggagggggcg	ggcccccgcc	aatccaggac	180
	ggtgagttca	cgttcctggt	gccggcgggg	aggaagcagt	gtttctacca	gtccgcgccc	240
	gccaacgcaa	gcctcgagac	cgaataccag	gtgatcggag	gtgctggact	ggacgtggac	300
	ttcacgctgg	agagccctca	gggctgtctg	ttggtcagcg	agtcccgcga	ggctgatggg	360
	gtacacacgg	tggagccaac	ggaggccggg	gactacaagc	tgtgctttga	caactccttc	420
	agcaccatct	ccgagaagct	ggtgttcttt	gaactgatct	ttgacagcct	ccaggatgac	480
	gaggaggtcg	aaggatgggc	agaggctgtg	gagcccgagg	agatgctgga	tgttaaaatg	540
	gaggacatca	aggagtccat	tgagaccatg	cggaccgggc	tggagcgcag	catccagatg	600
	ctcacgctac	tgcgggcctt	cgaggcacgt	gaccgcaacc	tgcaagaggg	caacttggag	660
	cgggtcaact	tctggtcagc	tgtcaacgtg	gcggtgctgc	tgtggtggc	tgtgctgcag	720
	gtctgcacgc	tcaagcgctt	cttcaggac	aagcggcccg	tgccacgta	gcccctgcc	780
	tggaaggaag	aacgggacaa	aggaggggca	gcaggggtgtg	tgcataatgag	acttgggggt	840
	ccctcccaa	tttttagttt	ctgccaacac	gggagtgtgc	agtcaaggcc	tgcggtctgg	900
	ccccatgagt	ctccttcctg	cctcagcggg	cagggaacac	ctctggcttg	tagaagggac	960
	ggctcagtgg	ctgcaccgac	ggtcctggaa	atctcacatg	gtgggcactg	cagcgttgga	1020
	acgtgagcct	cggatttctt	ggccctctta	ctgtaaagt	gccttagcct	aagcctccca	1080
	tcctgtgtta	gcgttgcttg	gtgcggggca	gggcctaaca	aggaaacctg	ggccctccaa	1140
	gccaggttga	ggtctggtta	cagaatgcca	ggaagggggc	ctggaagacc	acctgccccg	1200
	gcccctctcc	tgcagggggc	ccacacaggc	atgagggatg	gcccggccaa	agtctaggca	1260
	gaagcctcct	ataacaaagg	gtggtgtggc	ctgggcattg	gag		1303

<210> 1365  
 <211> 662

<212> DNA  
<213> Homo sapiens

<400> 1365  
 ccccgcccat ggagcaagac aacagccccc gaaagatcca gttcacggtc ccgctgctgg 60  
 agccgcacct tgaccccgag gcggcggagc agattcggag gcgccgcccc acccctgcc 120  
 cctcgtgct gaccagtgc cagtcacccc cagagataga tgaagaccgg atccccaacc 180  
 cacatctcaa gtccactttg gcaatgtcgc cacggcaacg gaagaagatg acaaggatca 240  
 caccacaat gaaagagctc cagatgatgg ttgaacatca cctggggcaa cagcagcaag 300  
 gagaggaacc tgagggggcc gctgagagca caggaaccca ggagtcccgc ccacctggga 360  
 tcccagacac agaagtggag tcaaggctgg gcacctctgg gacagcaaaa aaaactgcag 420  
 aatgcatccc taaaactcac gagagaggca gtaagggaacc cagcacaaaa gaaccctcaa 480  
 cccatatacc accactggat tccaagggag ccaactcggg ctgagagagg aggaggtatc 540  
 ttgggatcaa gactgcagtt tgggaatgca tggacaccgg atttgtttct tattccttca 600  
 cttttgggga aaatctcttg tttttaaaaa gtgataaatt tgggtgtagg tcaaaaaaaaa 660  
 aa 662

<210> 1366  
 <211> 1234  
 <212> DNA  
 <213> Homo sapiens

<400> 1366  
 cgctgctctt ggttctgggt ctggaggctg ggttgagagg tcgccgggtcc gactgtcctc 60  
 ggcggttggt cagtgtgaat ttgtgacagc tgcagttgct ccccgcccc gagcagccga 120  
 ggagtctacc atggtcgaag aatctcccaa aaattcagca gcagaaattc cagtgactag 180  
 taatggagaa gttgatgact ctctggaaca tagctttaat agggatttga agcattcatt 240  
 accatctgga cttggtctct cagaaaccca aattacatct catggctttg acaataccaa 300  
 agagggtggt attgaagcag gagcatttca aggtggccag agaacacaga caaaaagtgg 360  
 accagttatt ctagcagatg aaattaaaaa tcttgcaatg gaaaagttag aacttgtag 420  
 aaaatggagt ctaaacacct ataagtgtac tcgacagatt atctctgaga agctaggccg 480  
 tggctcaaga actgtggacc ttgaacttga agctcagatt gatataataa gggataacaa 540  
 gaaaaaatat gaaaatatat taaaactggc tcaaacattg tcgaccagc ttttcagat 600  
 ggtacatacc caaaggcaac ttggagatgc atttgctgac ctgagtttga agtactaga 660  
 acttcatgaa gaatttggct ataatgccga taccagaaa ctgctggcta aaaatggaga 720  
 gactcttctt ggggccatta attttttcat tgctagtgtg aacactttgg tgaataaaac 780  
 cattgaagat acattaatga ctgtgaaaca gtatgaaagt gccaggattg aatatgatgc 840  
 atatgcact gatttggaag aactgaatct tggaccacgt gacgcaaca ctctgccaaa 900  
 gattgagcag tcacagcatc tcttccaagc acataaggaa aaatatgata aaatgcgcaa 960  
 tgatgtttct gtcaaattga aatttctaga agaaaataag gttaaagtat tgcacaatca 1020  
 gctggctctt ttccacaatg ccattgccgc ttactttgct ggggaatcaga agcagcttga 1080  
 acagacactt aaacagttcc atatcaaatt gaaaaccctt ggagtggatg ccccatcttg 1140  
 gcttgaagaa cagtaaaatc acagcggaaa ataaaaagaa agtcgcgttg ttatatttct 1200  
 aaaccaacct aacaagaatt aagcagagtt gggc 1234

<210> 1367  
 <211> 853  
 <212> DNA  
 <213> Homo sapiens

<400> 1367  
 agtggcaccg ctgactgccg agaggaagct cgcctctgcc cggctgccct cttgtagtcc 60  
 gccggcgagg ggcagttctc ggtgaggagg aagagagcag cggacggcac agcaccgcg 120  
 cgggccctcc cacaacagct ccagctggca gcactacttc ccgccaattt atccaacttc 180  
 tgccaaggct ctgaaatgcc aacaacgtcg aggcctgcac ttgatgtcaa ggggtggcacc 240  
 tcacctgcga aggaggatgc caaccaagag atgagctccg tggcctactc caaccttgcg 300  
 gtgaaagatc gcaaagcagt ggccattctg cactaccctg gggtagcctc aaatggaacc 360



aaggccagtg	gggctcccac	tagttcctcg	ggatctccaa	taggctctcc	tacaaccacc	420
cctcccacta	aacccccatc	cttcaacctg	caccccgccc	ctcacttgct	ggctagtatg	480
cagctgcaga	aacttaatag	ccagtatcag	gggatggctg	ctgccactcc	aggccaaccc	540
ggggaggcag	gacccttgca	aaactgggac	tttggggccc	aggcgggagg	ggcagaatca	600
ctctctcctt	ctgctggtgc	ccagagccct	gctatcatcg	attcggaccc	agtggatgag	660
gaagtgctga	tgtcgctggg	ggtggaactg	gggttggacc	gagccaatga	gcttccggag	720
ctgtggctgg	ggcagaatga	gtttgacttc	actgcggact	ttccatctag	ctgctaattgc	780
caagtgtccc	taaagatgga	ggaataaagc	caccaattct	gttgtaaata	aaaataaagt	840
tacttacaaa	gag					853

```
<210> 1368
<211> 1842
<212> DNA
<213> Homo sapiens
```

<400>	1368						
tacctcatcc	acctcttcca	tacctttaca	ggcctctcaa	ttgcttattt	taacttttga		60
aaccagctct	accactccct	gctgtgtatt	gtgcttcagt	tcctcatcct	tcgactaatg		120
ggccgcacca	tactgccgt	cctcactacc	ttttgcttcc	agatggccta	ccttctggct		180
ggatactatt	acactgccac	cggcaactac	gatatcaagt	ggacaatgcc	acatttgtgt		240
ctgactttga	agctgattgg	tttggctgtt	gactactttg	acggagggaa	agatcagaat		300
tccttgtcct	ctgagcaaca	gaaatatgcc	atacgtggtg	ttccttccct	gctggaagtt		360
gctggtttct	cctacttcta	tggggccttc	ttggtagggc	cccagttctc	aatgaatcac		420
tacatgaagc	tggtgcaggg	agagctgatt	gacataccag	gaaagatacc	aaacagcatc		480
attcctgctc	tcaagcgct	gagtctgggc	cttttctacc	tagtgggcta	cacactgctc		540
agcccccaca	tcacagaaga	ctatctcctc	actgaagact	atgacaacca	ccccttctgg		600
ttccgctgca	tgtacatgct	gatctggggc	aagtttgtgc	tgtacaaata	tgtcacctgt		660
tggtggttca	cagaaggagt	atgcattttg	acgggcctgg	gcttcaatgg	ctttgaagaa		720
aagggcaagg	caaagtggga	tgcctgtgcc	aacatgaagg	tgtggctctt	tgaacaaac		780
ccccgcttca	ctggcaccat	tgcctcattc	aacatcaaca	ccaacgcctg	ggtggcccg		840
tacatcttca	aacgactcaa	gttccttgga	aataaagaac	tctctcaggg	tctctcgttg		900
ctattcctgg	ccctctggca	cggcctgcac	tcaggatacc	tggtctgctt	ccagatggaa		960
ttcctcattg	ttattgtgga	aagacaggct	gccaggctca	ttcaagagag	ccccaccctg		1020
agcaagctgg	ccgccattac	tgtcctccag	cccttctact	atttggtgca	acagaccatc		1080
cactggctct	tcatgggtta	ctccatgact	gccttctgcc	tcttcacgtg	ggacaaatgg		1140
cttaaggtgt	ataaatccat	ctatttcctt	ggccacatct	tcttcctgag	cctactattc		1200
atattgcctt	atattcaca	agcaatggtg	ccaaggaaag	agaagttaaa	gaagatggaa		1260
taatccattt	ccctggtggc	ctgtgcggga	ctggtgcaga	aactactcgt	ctcccttttc		1320
acagcactcc	tttgccccag	agcagagaat	ggaaaagcca	gggaggtgga	agatcgatgc		1380
ttccagctgt	gcctctgctg	ccagccaagt	cttcatttgg	ggccaaaggg	gaaacttttt		1440
tttggagaag	gcgtcttgct	ttgtcaccca	cgttggaatg	cagtggcggg	atctcagctc		1500
accgcaacct	ccacctcctg	ggttcaagtg	attttcctgc	ctcagcctcc	caagtagctg		1560
ggaatacagg	cacgccacca	tgccagcta	atttttgtat	tttcagtaga	aacgggattt		1620
caccacgttg	gccaggctgg	tctcgaactc	ctgaccgcaa	gtgatccacc	cgctccgcc		1680
tcccaaagtg	ctgggattac	aggcgtgagc	caccgtgcc	ggcccaaagg	ggaaactctt		1740
gtgggaggag	cagaggggct	cacatctccc	ctctgattcc	cccatgcaca	ttgccttatc		1800
tctccccatc	tagccaggaa	tctatttgtt	ttttcttctg	cc			1842

```
<210> 1369
<211> 990
<212> DNA
<213> Homo sapiens
```

ggctgtgcc	ggtgcacatt	tagcacccgt	tgccttctct	aggagccgct	cctagcttgc	60
cttatcacat	ccacgtgacc	cctcagagca	cagcagcttc	tgattctcca	tcctattttc	120
ttctcttgac	tgatacattt	gggcacttct	agggaattca	gaaaccaagg	gaagggggga	180
agtgtggct	tttgctcctg	cccagctgaa	aggcttgaaa	acagttcagt	aattctgggc	240
aggtttctct	ccttaaatta	aatccaata	tgggccccctc	tgtacttaac	attccaaatg	300
ctcattccaa	acactttgcc	aacgaaggca	aacagtagag	aagttaaata	cagtgtgtcc	360
cttgaggctc	tccaagggaa	aggcgaatga	atattctcca	ggccctctgc	ttattcctct	420
ctgcctattg	tgaaggcaat	caggccagac	tattgagggc	atctggcagc	aggactcagg	480
caggatgaa	gtagccagcc	acaagtgtga	aaaggaagag	tgctgagaga	aactgcctag	540
tcatgtgata	tcctaatgc	actgtgcttt	cttccctcaa	gaaccacccc	ttctggttcc	600
gctgcatgta	catgctgatc	tggggcaagt	ttgtgctgta	caaatatgtc	acctggtggc	660
tggtcacaga	aggagtatgc	attttgacgg	gcctgggctt	caatggcttt	gaagaaaagg	720
gcaaggcaaa	gtgggatgcc	tgtgccaaaca	tgaagggtgtg	gctctttgaa	acaaaccccc	780
gcttcaactg	caccattgcc	tcattcaaca	tcaacaccaa	cgccctgggtg	gcccggtgag	840
ctgctgggtg	ggagcctgga	ccctggttcc	ttccttccac	tgtcttccca	gattggaggg	900
caggggtgta	ccatgtcacc	cctatgcgtc	tttcccatct	gggcagaacc	ccctgtcgct	960
cacactgact	ttgaccccc	cctatacccc				990

<210> 1370  
 <211> 1648  
 <212> DNA  
 <213> Homo sapiens

<400> 1370	tgccgacac	ccgcagggac	gcccgcggga	cgagcacgcy	gagggccctc	gcctccacgg	60
atgcaccatg	ccggtgtgag	gagcatctgt	tcttcccact	ctctgcagtt	aacaaaccca		120
acccaaacca	ccacaggtgc	tcctcctggg	gagtttctct	tctgacaaat	gccaggtcca		180
cttcaaggag	aatcacgctt	ctttctaaag	atggattcac	cattttaaag	agagctctgg		240
gagcctttcg	gcaaattctt	aaagctgcac	ggtgcagaga	catggatgtg	acttcccaag		300
cccggggcgt	gggcctggag	atgtaccag	gcaccgcgca	gcctgcggcc	cccaacacca		360
cctccccga	gctcaacctg	tcccaccgc	tccctgggac	cgccctggcc	aatgggacag		420
gtgagctctc	ggagcaccag	cagtacgtga	tgggctgtt	cctctcgtgc	ctctacacca		480
tcttctctct	ccccatcggc	tttgtgggca	acatcctgat	cctgggtggtg	aacatcagct		540
tccgcgagaa	gatgaccatc	cccgaacctg	acttcatcaa	cctggcggtg	gcggacctca		600
tctggtggc	cgactccctc	attgaggtgt	tcaacctgca	cgagcggtac	tacgacatcg		660
ccgtcctgtg	caccttcatg	tgcctcttcc	tgcaggtcaa	catgtacagc	agcgtcttct		720
tcctcacctg	gatgagcttc	gaccgctaca	tgcctctggc	cagggccatg	cgctgcagcc		780
tggtccgcac	caagcaccac	gcccggctga	gctgtggcct	catctggatg	gcacccgtgt		840
cagccacgct	ggtgcccttc	accgcctgtc	acctgcagca	caccgacgag	gcctgcttct		900
gtttcgcgga	tgtccgggag	gtgcagtggc	tgcaggtcac	gctgggcttc	atcgtgccct		960
tgcctcatcat	cgccctgtgc	tactccctca	ttgtccgggt	gctggtcagg	gcgcaccggc		1020
accgtgggct	gcggccccgg	cggcagaagg	cgctccgcat	gatcctcgcg	gtggtgctgg		1080
tcttcttctg	ctgctggctg	ccggagaacg	tcttcatcag	cgtgcacctc	ctgcagcgga		1140
cgcagcctgg	ggccgctccc	tgcaagcagt	ctttccgcca	tgcacacccc	ctcacgggcc		1200
acattgtcaa	cctcacggcc	ttctccaaca	gctgcctaaa	ccccctcatc	tacagctttc		1260
tccggggagac	cttcagggac	aagctgaggg	tgtacattga	gcagaaaaca	aatttgccgg		1320
ccctgaaccg	cttctgtcac	gctgccttga	aggcctcat	tccagacagc	accgagcagt		1380
cggatgtgag	gttcagcagt	gccgtgtaga	cagccttggc	cgcataggcc	cagccagggt		1440
gtgactcggg	agctgcacac	acctgggtgg	acacaaggca	cggccacgtc	atgtctctaa		1500
actgcgggtc	gatgtggctt	ctggctcctc	ggggcctcgc	gagggtcacg	cttgccctggt		1560
cacctggggg	ctgcttaaga	aacctcacga	ctggctcacct	tgcactcctc	acacagaatt		1620

gctacaatcc caaagcgctc gccccgca

1648

<210> 1371  
<211> 1440  
<212> DNA  
<213> Homo sapiens

<400> 1371  
gtgatgcccc tctcatatca gccagggaca aagcaactcc ttgttcatcc cagcttggct 60  
tttgatccgt gcccattgct ggttcatgcc ttggacacat aggtttcctt taaagagggtg 120  
gtattgtagc cagcttatat ttgcatctat agccatgttt ctagtccagc ttggtgtgca 180  
atactagatg agttaataac tggtccttgt ttctgatctg gttcccatg tgtaactgtg 240  
ttgattggga aggtagtgtg tgagccatga aatgcttggg tcattgggtt cttattgacc 300  
tcattaacct aggacttgaa tatcccaaag ggtatgctct ttaccacatt caactcctaa 360  
tttatttgtt taggttatga tgtgattgct caagcccaat ctgggactgg gaaaacggcc 420  
acatttgcca tatcgattct gcagcagatt gaattagatc taaaagccac ccaggccttg 480  
gtcctagcac cactcgaga attggctcag caggtaagag tggcttctat tccctccttc 540  
agggctgatt tagggatgat gagtataatc caaggaccag agaagtcttc tctgatcacc 600  
accttgggag gaagacatgg gtgccctaac actctcgaga cctgctgggt taattaaaag 660  
ctatttctta cccaaacgta accattgctt cctccacca tttcctgagt caaatgggaa 720  
agctgttggg tgaagcctgg ctggctgggc aagtttgact gtgttctgaa taagcacctt 780  
cactatgggc taagagatcc cttgggtgtg gggatgatct acagtagtca gagcagatgg 840  
acagtccttt tcacccttgc ttaatagcca gagctgttct atgcctgggg cacacacaat 900  
tctaagtctg gactttttcc tgggtcatgc tgcaacactg atgtcagagc atgtttttta 960  
atgttctgtg gcaggggcag tgattattct ggggtgtggat aatgtaagaa gttacagcag 1020  
agctccattc taaggcactt ggctctcagt tttctcagag tgaacatgcc tcgtagcttg 1080  
ggctctatgg caggagtgc ataggacatg gatatgcac acctgttcta taaaactggg 1140  
tgctggctgg gcgcgggtgg tcaactcgta taatcccaac actttgggag gccaaaggcag 1200  
gcagatctct tgagatcagg agttggagac cagcctggcc aacatagtga aaccccgctt 1260  
ctactaaaaa taaaaaatt agccaggcat ggtggcgtgt gccttttatc ccagctactc 1320  
gggaagctca ggcaggagaa ttaaccag gaggtggagg ttgcagttag ctgagattgt 1380  
gccattgcac tccagcctgg gcaacgagca aagctctgtc tcaaaaaaaaa aaaaaaaaaa 1440

<210> 1372  
<211> 1529  
<212> DNA  
<213> Homo sapiens

<400> 1372  
cggaagtgt acgggcatca gtgacccgt gactgtcaag acctccggt cgagggttcgg 60  
atcctggatg acagaccctc tcgcccctga aggcgataac cgggtgtggg acatggacgg 120  
ctatcacaac aaccgcttcg tacgtgagta caagtcctat gttgacttca tgaacacgga 180  
caatttcacc tcccaccgtc tccccaccc ctggctgggc acggggcagg tggctctaaa 240  
cggttctatc tacttcaaca agttccagag ccacatcatc atcaggtttg acctgaagac 300  
agagaccatc ctcaagacc gcagcctgga ctatgccggt tacaacaaca tgtaccacta 360  
cgctgggggt ggccactcgg acatcgacct catggtggac gagagcgggc tgtgggacct 420  
gtacgccacc aaccagaacg ctggcaacat cgtggtcagt aggctggacc ccgtgtccct 480  
gcagaccctg cagacctgga acacgagcta cccaagcgc agcgccgggg aggccttcat 540  
catctgcggc acgctgtacg tcaccaacgg ctactcaggg ggtaccaagg tccactatgc 600  
ataccagacc aatgcctcca cctatgaata catcgacatc ccattccaga acaataactc 660  
ccacatctcc atgctggact acaaccccaa ggaccgggac ctgtatgcct ggaacaacgg 720  
ccaccagatc ctctacaacg tgacctctt ccacgtcatc cgctccgacg agttgtagct 780  
ccctcctcct ggaagccaag ggcccacgtc ctaccacaa aggaactcct gtgaaactgc 840  
tgccaaaaag ataccaataa cactaacaat accgatcttg aaaaatcatc agcagtgcgg 900  
attctgacat cgagggatgg cattacctcc gtgtttctcc ctttcgagcc ggcgggcccac 960

agacgtcggg	agaaactccc	gtatttgcag	ctggaactgc	agcccacggc	gccccggttt	1020
tcctccccgc	cctgtccctc	tctgggtcaa	caacatacta	aagaggcgag	gcaatgactg	1080
ttggccagtt	ctcaccgggg	aaaaacccac	tgttaggatg	gcatgaacat	ttccttagat	1140
cgtggtcagc	tccgaggaat	gtggcatcca	ggctctttga	gagccatggg	ctgcacccgg	1200
ccgtaggcta	gtgtaactcg	catcccattg	cagtgcctgt	tcttgactgt	gttgctgtct	1260
cttagattaa	ccgtgctgag	gtccacata	gtcctggac	ctgtgtctag	tacatactga	1320
agcgatggtc	agagggtgta	gagtgaagtt	gctgtgcca	cattgtttga	actcgcgtac	1380
cccgtagata	cattgtgcaa	cgttcttctg	ttattccctt	gaggtggtaa	cttcgtatgt	1440
tcagtttatg	cgatgattgt	tgtaaatgca	atgccgtagt	ttggattaat	aagtggatgg	1500
tttttgtttc	taaaaaaaaa	aaaaaaaaa				1529

<210> 1373  
 <211> 6694  
 <212> DNA  
 <213> Homo sapiens

<400> 1373						
aagcttgc	gcaggccacg	ccccggagag	tcacgtagct	ctgcgacatc	cgcagcctca	60
tttaccagag	ggagccaggg	ctgcagctca	tctgtttgcg	gatcaagaac	ccgagctgtg	120
cttgtggctg	cggctgctaa	ctggctgcgc	acaggtaagg	ccaggcaagg	cgggaccgac	180
tcaacatctt	ccgttccatt	tccttggcct	cttccctgc	catcctcgtc	ctgctacctg	240
ggactccggg	atgtgccctt	tcgacccttt	cctaacatct	ttgctccttt	ccgcgtactt	300
gaaaccccat	ggctcaacct	cttctgttct	atccctcttc	agctctccca	gctggacctc	360
agcttttcca	atcccaaate	ctcctctact	tgttggattt	ttccttggag	tctgtctctc	420
ctaccagag	catttccctc	tcagcctgct	ccctctcctc	ctaggctagg	tcctctctcc	480
agttctcccg	ccttctctgc	cccccggtct	aggtctctcc	cgctgactgg	ttagcctgca	540
tcaccactag	ctccctcag	tctcatctct	ctctcaggct	ctctactcct	ttcagccttg	600
gtcctctgcc	ctcccgctcg	ggtgtctaga	ttgtggggaa	ttgaagtgct	tcctattgct	660
atcctcctgc	caaacagggtg	aagtgtctcc	tgggcacaga	gatgaccggg	aggtgtcact	720
agccctagtc	tccacacact	aacacagctg	accgctggg	ccctctttcc	tacatcactg	780
cagccccact	ggggccaacc	tctgggtactg	ggtgggaata	ggcaataggc	ataggcaggc	840
aggtttggag	tacagaaaag	gagaagctgc	aggagcctgt	gactgggtatt	tgtgccactc	900
ctactcccta	cctgttcttc	caaccttttc	ctctagaagc	tgagagaaga	gggtggcaat	960
aagtactttt	gcctcattct	gaagccttgg	aagtaagtac	actttcctag	gggtcctgtg	1020
gaggatgaga	aaaggggaagc	tggaaaggcc	aggacttttg	cctacctcaa	caagggacca	1080
agttcagtga	aagaagggtt	ggcatccttg	attgggcagc	agatttatca	gaagagctgt	1140
ggcttcaggg	ctgctcacct	ccccacccc	accctgcac	tttccccagg	gctgggaagg	1200
atgcctacca	gggacaaaag	gagatgtggg	aactggagcc	ctaagcttgc	tagctgtcag	1260
aaggactgg	gccacttgat	gccaggact	catgccaagg	actgctgcc	tgttcccagc	1320
cccttgcttg	atggggaggc	catttggccc	atctggccag	gagaggcagc	agagggtgag	1380
gtctggcttt	tttatcttgt	ctccactcca	gggagctgtc	accatgcctc	actcgtacct	1440
agccctttct	gctgagcaga	agaaggagtt	gtctgacatt	gccctgcgga	ttgtagcccc	1500
gggcaaaggc	attctggctg	cggatgagtc	tgtaggtaag	tggacatctg	tagccaggta	1560
gggtacaggt	ggctagggga	ccctggggat	gttctcactg	cctctctttg	tttgccccta	1620
ggcagcatgg	ccaagcggct	gagccaaatt	ggggtggaaa	acacagagga	gaaccgccgg	1680
ctgtaccgcc	aggtcctgtt	cagtgtgat	gaccgtgtga	aaaagtgc	tggaggcgct	1740
atcttcttcc	atgagaccct	ctaccagaaa	gatgataatg	gtgttccctt	cgtccgaacc	1800
atccaggata	agggcatcgt	cgtgggcac	aaggtgcagc	ccctggccct	gctctgaatg	1860
gaagctgggt	gtgaaaataa	gcttgtgtag	gaggggtagc	aaggagaatc	ctgcctggat	1920
tcaaccctct	gcttgtactt	cctctacagg	ttgacaaggg	tgtggtgcct	ctagctggga	1980
ctgatggaga	aaccaccact	caaggatatg	gatgggtggg	cttgaggacc	aaagaggtgt	2040

tagatagttg	atgctggtaa	aagaggggca	gagtaatgag	gttggcactg	tgcttgcaagg	2100
gctggatggg	ctctcagaac	gctgtgcccc	atacaagaag	gatggtgctg	actttgccaa	2160
gtggcgctgt	gtgctgaaaa	tcagtgagcg	tacacctct	gcacttgcca	ttctggagaa	2220
cgccaacgtg	ctggcccgtt	atgccagtat	ctgccagcag	gtgtgtgtgt	tgggagggtg	2280
gtgagctagg	tgccctgtat	gcctgggtggg	gagagagtca	caaggctttc	ttcatctccc	2340
ctactgcccc	tcccaagcat	ctctgctctt	gcctgcagaa	tggcattgtg	cctattgtgg	2400
aacctgaaat	attgctgat	ggagaccacg	acctcaaacg	ttgtcagtat	gttacagaga	2460
aggtgagtc	acacctgggc	acacaaacat	actgcaggga	cagctcgga	ggagtgtctg	2520
ttccccagaa	ccccagctt	agatccaggc	acactttccc	ctagcacttt	ttcacttcat	2580
ccgggcacag	gcctgtgatc	tgagcctgta	ctgagccctc	acagtctgtg	cccatctacc	2640
cctacatagg	gagcatcgag	cagtaaccag	tggggggcca	gaccttagt	aaacctcctc	2700
taatccccac	ccaggtcttg	gctgctgtgt	acaaggccct	gagtgaccat	catgtatacc	2760
tggaggggac	cctgctcaag	cccaacatgg	tgaccccggy	ccatgcctgt	cccatcaagt	2820
ataccccaga	ggagattgcc	atggcaactg	tactgccct	gcgtcgcact	gtgccccag	2880
ctgtcccagg	tactaccag	ctccctaacc	tgctcctatc	cctaaggccc	atcttcaggt	2940
ccttcttggt	gccttcaggg	gttccctatc	ctggaaaaat	tgggagtgc	cagtcagttt	3000
gtcttctctc	ctccacacta	ggagtgaacct	tctgtctggy	gggtcagagc	gaagaagagg	3060
catcattcaa	cctcaatgcc	atcaaccget	gcccccttcc	ccgacctggg	gcgcttacct	3120
tctcctatgg	gcgtgccctg	caagcctctg	cactcaatgc	ctggcgagggy	caacgggaca	3180
atgctggggc	tgccactgag	gagttcatca	agcgggctga	ggttgggagc	tacaggtggt	3240
ggtgggtggg	ggcagcaccc	agaggctata	gcctgggcag	ggcttggcac	ctgtgggctg	3300
gctcagcctg	cttactccac	gctccctttt	gcaggtgaat	gggcttgca	cccagggcaa	3360
gtatgaaggc	agtggagaag	atggtggagc	agcagcacag	tactctaca	ttgccaacca	3420
tgccactga	gtatccactc	cataccacag	cccttgcccc	agccatctgc	accactttt	3480
gcttgtagtc	atggccagggy	caaatatgct	atgcagagca	gagatgcctt	cacctggcac	3540
caacttgtct	tcctttctct	cttcccttcc	cctctctcat	tgtgcacct	gggaccatag	3600
gatgggagga	tagggagccc	ctcatgactg	agggcagaag	aaattgctag	aagtcagaac	3660
aggatggctg	ggtctcccc	tacctcttcc	agctcccaca	attttcccat	gatgaggtag	3720
cttctccctg	ggctctcctt	cttgccctgcc	ctgtctcctg	ggatcagagg	gtagtacaga	3780
agccctgact	catgccttga	gtacatacca	tacagcaa	aatggtagc	aaaacattct	3840
actttgctg	tctgttttac	acatcaaatt	cccacctccc	agtttctgat	ctctgcta	3900
tctatctctg	ggccctctga	ctctggagggt	ggagaggggtg	ggatttgagt	cttactgggc	3960
ttcaagttat	ggaggaagggy	cacatgcagt	cacctcccc	agctcaggct	cttgctctct	4020
tgatgtccaa	gtctggagtg	gggcaatgag	gaagactgca	agtcttctag	ggactcgcac	4080
atcagtggca	ctgggctgca	gtacagaag	tatggagtga	ggccaaactg	gcaactcctg	4140
aaggcagatt	tgtgcaaggc	tcaaagcagg	gaggcagcaa	gacaggctgg	gataagagt	4200
ggtgggagtc	tctcccatct	cgcagtgtta	agcccgctg	ggacctggta	ccgccagct	4260
gggacctggt	accttccact	agggtgagcc	acaccagtaa	gggcaagcga	gcacctggac	4320
tcgcgccc	agaggaaaac	caaggctctg	cgggctgcca	gggctgagca	gggcatctag	4380
gaggttgcca	agggctatgg	ccattttcat	ttggggtaga	agtgggcaca	aagggagcca	4440
attggaggggt	ctgggtaagg	acagctctgg	tgaggcctga	tgtgaactt	tgacctggtg	4500
gctgggttgt	gaggtaggct	gagaacctgg	gtctaagcag	ataaaaagaa	gagataacaa	4560
gctgcgtgtg	ttctgtgtca	actggggagg	ctacaaatgc	tccacctgt	gtggcctgac	4620
tttataataa	caaaaatagc	ttgcacatag	caccaaccct	gttctaata	ctttatatgt	4680
actgacacat	ttcatacaac	tctataaagt	aggtactatt	actatcatcc	ctattttaat	4740
agagaaaaca	ggcacagata	ggcacagaac	gatcttctca	cgatcactca	cctaataagt	4800
gatgaagcca	ggatttgaac	cgcagtgatc	agcatctaga	gtctgggctc	atgacttttc	4860

```

aagatttttta agtgaagtat tctgagtttt ccaagttgga aatgaattaa aacgtatttt 4920
aaaatagcga gagaggccaa ttgtgctaaa acatactagc ttgctacctc cgtgttttgag 4980
gctttgagga gagggcacc taagaggagt tctacgataa ggataataag accgtgacag 5040
ttgacgttga gggctttccg tgtgccaggc tccttacaag aacggcctca tttatgtaaa 5100
tatctccatt ttcagatgag cctcggagct gcctgtagtt gccagctag tatttaagga 5160
ctgcagaggt tgcgctcttg attgcggggc tagaagtgtg ttctacaggg aagcggggaa 5220
cttcgttcca gcagcgcca aaccgcacg gcccttaggc tgtccctccg cgcccgggtg 5280
acttcctttc agatccccag cgaagctccc agcggagccc tcccaccct cgcccgttg 5340
ctcccgctctg cgggtctgga gtagcgctcg cgattggccc cgatcacgc cgcggtcctg 5400
ccccctcgtt gcagagattc cgattgggtg aggtcacga agctctgccc ccacgggtggc 5460
cggagcagcc ggaagctagc atggcggccg ccggggctgc ggctacacac ctaggtgcgg 5520
tgggcttcgg gtggggggcc tgcagctagc tgatggcaag ggaggaatag caggggtggg 5580
gattgtggtg tgcgagaggt ccgcggagc gggggctcgg gggctctctc agacgagatt 5640
cccttcaggc ttgggcccgg tcccttcgca cggagatccc aatgaacgcg ggcccctgga 5700
ggccggtggt tggggcttct ccgcgtcggg gatggggccg gtaccctagc ccgtttccag 5760
cgcctcagtc ggttccccat gccctcagag gtggcccggg gcaagcgcgc cgccctcttc 5820
ttcgctcggg tggccatcgt gctggggcta ccgctctggt ggaagaccac ggagacctac 5880
cgggcctcgt tgccttactc ccagatcagt ggctgaatg cccttcagggt gagactgctg 5940
tgcgggaggg tcgggggaca gcccccccgg caaggtggag actcagtgcg ggccctgatg 6000
ctccttctct tagctccgcc tcatggtgcc tgtcactgtc gtgtttacgc gggagtgcgt 6060
gcccctggac gaccaggaga agctgccctt accgttgtgc atgaaagaga gattcctctg 6120
aaatgtgagt tactggggat cagggctgct tttcgccctt gagctcagtt cagagctgag 6180
ttgggtggga ggagcggggg tgtaccataa acgcagttaa aaacttactg ttgaaagacc 6240
tctgaatgaa cagtgtgttt ggtcagaaaa aaaactactt tcaattcaca gtcactaaat 6300
agcaatttta ctgtaagac aggtaccta atcggaagca gttgatgcc atcagggat 6360
aggggaagag gtgggatata gtggaaagaa cacagagttt gaaattaaat tggatttgca 6420
tataggccct atttagtttg tttgtttatt tatttattat attttgagac gacttcgctc 6480
tgtcggccag gctggagtgc agtggcgcca tcttggtcga ctgcaacctc tgcctcctgg 6540
gttcaagcga ttcttctgca ccagccaccg gagtagctgg gattacaggc gcgcgacact 6600
acgcccagct aatttttgta tttttagtag agacgggggt atgccatgtt ggccatgctg 6660
ctctcgaact cctgacttca ggtgatccgc atgc 6694

```

```

<210> 1374
<211> 3881
<212> DNA
<213> Homo sapiens

```

```

<400> 1374
gctgaagtgt tcgaccagca ggaggttttc tcctcagccc actcgctgca tccagatcag 60
ctcacccegc gccctttcct gccaccagg actctgatag cccctggcag ccacagccca 120
ttttgccaag atgtctagag tagccaaata tcgccggcag tgagtgaaga ccccgacatc 180
gacagcctgc tgggaccctg tctcccagg agatggagga gctggagaag gagctggacg 240
tgggtgaccc agacgggagt gttcccgtgg ggctgcggca gagaaaccag acggagaaac 300
agtccacggg tgtgtacaac cgggaggcca tgctcaactt ctgtgaaaag gagaccaaga 360
aacttatgca gagggagatg tccatggatg aaagcaagca agtggagacc aagacagatg 420
ccaagaatgg acaggaaagg ggcagagatg ccagcaaaaa agccctgggc ccagacgga 480
actcagatct ggggaaggag ccaaaggagg gtggttttaa gaaaagcttc tctagagaca 540
gagatgaagc tgggtggcaag agtggcgaga agcccaagga ggagaagatc atccggggca 600
ttgacaaggg ccgggtcagg gctgcagtgg ataagaagga ggcaggggaag gatgggagag 660
gagaggagag ggcagtggcc accaagaagg aagaggagaa gaaagggggg gacaggaaca 720
caggcttgag cagggacaag gataaaaaga gagaggagat gaaggaggtg gccaaagaa 780

```

aggatgatga	gaaggtaaaa	ggggagcgta	ggaacacaga	caccagaaaa	gaggggtgaga	840
agatgaaaag	agcaggtggg	aacacagaca	tgaaaaagga	ggatgagaag	gtaaaaagag	900
gaactgggaa	cacagacacc	aaaaaggacg	atgaaaaagt	caagaagaat	gaacccttac	960
atgaaaagga	agccaaggat	gacagcaaga	ccaaaacacc	cgagaaacag	acgcccagtg	1020
gccccaccaa	gcctctctgaa	ggaccggcca	aggtggagga	ggaggcagct	cccagcatat	1080
ttgatgagcc	tctggagaga	gtgaagaaca	atgaccccg	gatgactgag	gtgaacgtca	1140
acaactcaga	ctgcatcaca	aatgagatct	tgggtccggtt	tactgaggct	ctggagttca	1200
acactgtggt	taagctgttc	gccttggcca	acacgcgagc	cgatgaccac	gtggcctttg	1260
ccattgccat	catgctcaag	gccaacaaga	ccatcaccag	cctcaacctg	gactccaacc	1320
acatcacagg	caaaggcatc	ctggccatct	tccgggccct	cctccagaac	aacacgtga	1380
ccgagctccg	cttcacaaac	cagcgacaca	tctgtggagg	caagacggag	atggagatcg	1440
ccaagctgct	gaaggagaat	acctccctgc	tcaagctggg	ctaccatttt	gagctggccg	1500
ggccccgaat	gactgtcacc	aatctgctca	gccgcaacat	ggacaagcag	agacaaaagc	1560
ggctgcagga	gcaaaggcag	gcacaggaag	ccaagggaga	gaagaaggat	ctgctggagg	1620
tacccaaggc	cggggccgtg	gctaagggtc	ccccaaaacc	ttcacctcaa	ccatctccaa	1680
agccctctcc	aaagaactca	ccccaaaaag	ggggtgctcc	agctgcccc	ccacccccctc	1740
ccctccctt	ggctccaccc	cttatcatgg	agaacctgaa	gaattcactc	tcaccagcta	1800
cccagaggaa	gatgggagac	aaagtccctc	ctgccagga	gaagaactcc	cgtgaccagc	1860
tattggctgc	catccgctcc	agcaacctca	agcagctcaa	gaagggtgaa	gtgccccaaac	1920
tgcttcagta	ggaccaggct	gccaggcacc	atctgccaat	gccatgactg	ctcaggcctc	1980
acctcccagg	gctacacaga	ccctgcccac	cccatccctg	gctgacctgc	tgtggatgtc	2040
cctattctgc	catgggagcg	tccaggcctg	ggtcacgctc	aaggaaggat	gccttatctc	2100
ttctcacttt	ccttttcttg	tctctgaggc	tctccaaatt	ttgctttagt	acatggagct	2160
caggtttctg	gacaagaaga	gtccttttag	cacatcactg	agaagatggc	actgtccagg	2220
gcccattgtg	ctggcaagct	gcaaaaggcc	tgtgatccag	gaaagatgtc	ccacagggac	2280
cacatccacc	ccagccccac	tgccctccag	ggccaggatt	caggcctctg	aggagcccac	2340
ggggcaaagc	tgctgggcca	gtggcactct	gtgtgggaaa	atggcagaaa	gatggagagg	2400
catggggggc	caaaggggag	cgtggggagg	ggctgaggat	accccaaagt	ccaggctaata	2460
tagaggatgt	ggcaggggca	gtggcctgga	tgcacagtgc	ctgatgggag	taggctccag	2520
acaggaggag	tgggacagac	agcagctgga	cttgaagggt	tgatgcaaaa	gcagacattt	2580
tcctcacacc	cacctgctgc	tgtatgaata	gctgtgtatc	tgtttttcca	taagattttg	2640
ataatatata	caaaccttta	gctgtgaatg	gctgtgcccc	acctgttgct	ctgaactgtg	2700
agtctgatc	ctaacctctg	gctccctgga	ggactctaga	agctcagggt	ccctgccaca	2760
ctatttgagt	tggccaagaa	ataaattcac	atcctcagaa	agtgcagcat	ggaggaaaat	2820
ctgaactcta	agcagaagac	tctccactga	cctgggtgtc	caggtctaga	aggccaggcc	2880
tctactaggt	ctgctcctga	accagtcctg	ctgcctggag	tcagtagcca	gagttgttct	2940
caggggtgct	ggggcagagt	ggagcccagg	gtgctgggat	ggctatatta	ggcatgttca	3000
gggatgctca	ttccatgact	ctgcctaacc	atgggctcag	ggccagggtcc	tcacagcagt	3060
cacaggccca	ggaaggcggc	aggcagagaa	gtggagtgc	tatttgagga	atagcaccca	3120
tatctgtgtg	ccctagggct	cagagggggc	tcatcttccc	cagccctccc	cacctgctca	3180
ccaattccac	ttctgcccc	aactgcagga	atgctgacaa	tgctgccatg	cccaccatcg	3240
ggtgtaggtg	aaaggcatct	ttctgaattt	cattctcttg	aagggtgctgc	caccctctgg	3300
cactgtggaa	ctgccacctt	gggtctgtgt	cacttgtagg	tttctctgcc	tccaggttgc	3360
ctcaacagca	ggaggcacag	cagtttcacc	atctttgagg	tgagggtggg	gtgccccagc	3420
taggaagcaa	gatcgctgtg	ctaggtctga	ccaaaaccag	agggcagttc	agtcctgggg	3480
gtaaagccct	cagatcccag	ggtacactct	tctccattcc	ctccaccac	ttgcctgtca	3540
ccccagtcac	ctaagcaatc	actgggcccc	gaggagagga	gacagacaca	cactggctcc	3600
tggacctaaa	gggtatgagc	tggagctaa	gccagctaga	gcttccactg	tcagccctca	3660





t	c	a	c	t	g	g	g	a	a	g	t	t	g	t	g	a	g	c		1200
c	t	t	t	a	c	c	t	a											1260	
g	t	t	t	g	g	a	c	t											1320	
g	a	g	a	g	g	a	g	a											1380	
t	c	c	a	c	a	t	g	g											1440	
g	g	a	c	c	t	g	g	t											1500	
c	a	g	a	g	a	t	g	c	a										1560	
g	a	t	g	t	g	c	t	g	c										1620	
c	a	g	a	c	t	a	c	a											1680	
g	t	c	t	t	c	t	c	a											1740	
a	g	a	g	t	g	a	a	a											1800	
t	t	t	g	a	g	g	g	g											1860	
t	t	t	g	c	t	t	a	t											1920	
t	g	c	a	a	t	g	g	c	a										1980	
g	c	c	t	c	a	g	c	c	t										2040	
t	a	t	t	t	t	t	a	g	t										2100	
c	a	t	g	a	t	c	t	g	c										2160	
c	c	a	g	c	c	t	a	t											2220	
t	a	g	a	t	c	t	a	g	a										2280	
a	a	c	a	a	a	a	a	a	g	c									2340	
c	c	a	a	g	t	a	a	g											2400	
a	c	a	t	a	g	c	a	a	g										2460	
g	t	g	t	c	t	g	t	g											2520	
t	g	a	g	g	c	t	g	c	a										2580	
c	c	t	g	t	t	t	c	a											2640	
c	t	t	a	c	t	t	g	g											2700	
a	c	a	a	g	a	t	g	g											2760	
g	g	c	a	a	a	g	c	t											2820	
g	a	t	t	a	c	t	a	t	g										2880	
g	a	c	c	a	g	a	c	c											2940	
g	g	c	a	g	a	a	a	t											3000	
t	t	g	g	c	t	c	c	c	t										3060	
c	t	c	a	c	c	a	g	t	a										3120	
g	c	a	t	a	g	c	a	n	n										3180	
g	a	t	c	c	t	t	t	g	t										3240	
a	a	t	g	g	g	a	t	t											3300	
g	g	g	t	t	t	a	t	g	c										3360	
g	g	g	t	a	g	g	t	a											3420	
a	a	t	t	a	a	c	c	c	g										3480	
c	c	c	t	g	t	g	c	a	g										3540	
a	q	c	c	c	a	a														

```
<210> 1377
<211> 14117
<212> DNA
<213> Homo sapiens
```

```

<400>      1377
tttctttcaa aatattttctg ctcatgtgaca atgcatctga tcaaccaaga gccctgatgg      60
agctgtccaa ggagattaat gtttttgtgt ttgccaacac aacatccatt ccacagccca      120
tggatcaaaa actaattttg acttttcaagt cttattacct aaqaaatata tttcataagg      180

```

ctatagctgc	catacagatg	attcctctga	tggatctggg	caaagtaa	tgaaaacctt	240
ctgaagagga	ttcactattc	tatatgtcaa	tatttgtgat	tcaagagagg	aggtcaaaat	300
atcaacatta	acaggagttt	ggaagaagtt	gattccaact	ctcatgtatg	atggttgaggg	360
gcttaagact	tcagcagagg	aagtaactat	agatgtgttg	gaaacagcaa	gagaattaaa	420
attagaatgg	agcctgaaga	tgtgactgaa	ttgttgccat	gttatggcaa	aacgaacgga	480
tgaggaactg	cttcttattc	atgaacaaag	aaagtggttt	cttgagatgg	aaactactcc	540
tggtgaagat	gctgtgaaca	tcactgaaat	ggcaacaaag	gatttggaa	actacatcaa	600
tttagttaat	aaggcagtgg	cagggtttga	gaggactgac	cctagttttg	aaagaatttc	660
tactgttaaa	atgctatcaa	acagcatcac	atgctacagg	gaaatctttc	atgaaaggaa	720
gagtcaactg	atgcggcaaa	cttctactgat	gtctcatttt	cagaaattgc	cacagccaca	780
ctaacttgca	gcaatcatca	ccctgatcag	tcctcagcca	tcaacattga	ggcaagacct	840
tccaccagca	aaaagattat	aacttgctga	aggctcagat	gatccttagc	attttttagca	900
agaaagcatt	tttaaaatta	agttatatac	attgttttta	ggccataatg	ctatggtaca	960
cttaatagac	tatagtatag	tgtaaatata	atgtttacat	acacagaaaa	acaaaaaagt	1020
ttgtgtgact	cactttatgg	ttacatttgc	tttattgtgg	tggtctagaa	ctgaacatgc	1080
actatctctg	aggtatgcct	gtatcttcc	ctatcttcag	tgggtctcca	aaccacctga	1140
aggacatgct	aaacacaggc	tgctgcatcc	cagccccagc	ctcagagttt	ctgattcagc	1200
cagtctggga	tgagcctgaa	aaactgccat	ttcttttttt	tttacatttt	attttttatt	1260
ttatcaaagc	agtgtatcta	cattgtttta	ataaaacaac	attaaatagc	aaatatttta	1320
aaactgcaac	atctatgcct	tctttctttc	tttattgtta	ttatacttta	agtttttaggg	1380
tacatgtgca	caatgtgcag	gttagtta	tatgtataca	tgtgccatgc	tggtgtgctg	1440
caccactaa	ctcgtcatct	agcattaggt	atatctccca	atgctatctc	cccccgctcc	1500
ccccaccca	caacaaatga	gaacacatgg	acacaggaag	gggaacatca	cactcttttt	1560
tttaaaaatt	ttactttaag	ttctgggatg	catttgcaga	atgtgcaggt	ttgttgcata	1620
ggtatacatg	tgccatgggtg	gtttggctgc	acctatcacc	catcatctag	gttttaagcc	1680
cgcattgcatt	aggtatttgt	tctaattgctc	tctctccct	tgccccccat	ccccgcacag	1740
gccttggtgt	gtgatgttcc	cctccctgtg	tcctatgtgt	ctcattgttc	aactcccact	1800
tatgagttag	aacatgtgggt	gttcgggttt	ctgttctctg	gttggtttgc	taagaatgat	1860
ggtttccagc	ttcatccatg	tcctgcaaa	agacacgaac	tcattctttt	ttatggctgc	1920
atagtatttc	atgggtatata	tgtgccacat	tttctttatc	cagtctgtca	ttgatgggca	1980
tttgggttgg	ttccaagtct	ttgctattgt	aaatagtgt	gcaataaaca	tacttgtgca	2040
tgtgtcttta	tagtagaaag	atttataatc	ctttgggtat	ataccagta	atgggattgc	2100
tgggtcaaat	ggtatttctt	ggtttttagat	cattgaggaa	tcaccatgct	gtcttccaca	2160
atgggtgaac	taattttacac	tcccaaccaa	cagtgtaaaa	gctttcccat	ttctccacag	2220
cctttgccag	catctgttgt	taccagactt	gttaatgatc	accattctaa	ctggcatgat	2280
atgggtatctc	attgtgggtt	tcatttgc	ttctcta	accagtgtg	atgagctttt	2340
tttcatatgt	ttcttggcca	cataaatgtc	ttcttttgag	aagtgcctgt	tcatactctt	2400
tgccactttt	ttgatgggggt	tgtttgttat	tttcttgtaa	aattttgttt	aagctccttg	2460
tagattctgg	atattagacc	tttgtcagat	gggtagattg	caaaaatttt	ctccaattct	2520
ataggttgcc	tgctgactct	gataacagtt	tcttttgctg	tgcagaagct	cttttagttga	2580
attagaccca	tttgtcaact	ttggcttttg	ttgcaattgc	ttttgctgtt	ttagtcatga	2640
agtctttgcc	catgcctatg	tcctgaatgg	tattgcctag	actttcttct	aggggtgaaaa	2700
ctcacatttc	taacatgttc	ctgagtcagg	ttgatgctga	gagtgactga	taacacctta	2760
ttataataat	tatagttttt	gggtgagagg	attaaatggg	caaattaatg	ccaagcactc	2820
agcaccatgc	ctgggtatttg	tatacattcc	acaagtgtg	gctatgattc	tgaagggtgg	2880
cctgatgagt	ctcatccctt	gtagtgggtg	ttgccatcac	acctccttcc	atctgatgct	2940
ataatcttct	ctaaataggt	aatccagaca	aggtactgga	atttgtagtt	gttgcagaga	3000

atcaaattgt	gagagtattt	gatctgaccc	cctcgattgg	catgaagaaa	ctgaggtctg	3060
gagagacaaa	attactttcc	caaggccaaa	tggaagtca	gaggcagtat	atctacgctc	3120
tccttttctt	atgcaatgaa	tgagctgggt	ggcattttcc	ctttcctgtt	cttgactga	3180
catttctggg	aatatgtgaa	acataaggca	agtacttata	ccccaaaatt	atatcaagaa	3240
gattactgaa	taaaaaagt	gctatatagc	acacacatac	taaatgtgaa	gtcacagct	3300
tttgcagcca	ggactgaaaa	ccactgctct	agcatgttgc	cttcttaagt	gaatgccag	3360
ggcttctata	gttgggcaaa	tatgctccct	gtctcctggc	ttagctcatt	ccagggctat	3420
agaacatcct	ttcccaagg	agtggattca	cactgcttcc	atagtctgag	atcctgaagt	3480
gagccttccc	catctgccac	aacagaaagt	aaaagtagaa	cctgtccaac	tattctcagt	3540
ctgttcaaca	aacaatttat	tgagcacttg	acaatttgtt	atatggtgca	gtgataattg	3600
aatggatggt	ccagaggggg	caagacagag	cagctgccac	ctggagatgt	tcatgatatg	3660
gacttttcca	agaggaagag	accaactgga	aagatgtacc	tgattcttag	gcttctgttt	3720
gggtcttttt	tttttttttt	tttttgccct	ttgaaggggt	gcagcattcc	tggaggtact	3780
gcaataccag	gtcaacatgt	agagtgaaca	gagcaagctc	ttattccatc	tcctgctcc	3840
caaaatccat	ttaatatgtt	gtcctcagat	ggaggacgta	tcagatatta	agacgataag	3900
aacagatacc	acacttgatc	ttagccaaaa	ggctgcacaa	agaagtgatg	ctgcctatgt	3960
cttgagttca	ttctctcccc	actgatatta	ttttcttccc	cttggcagga	agatgatgtc	4020
tgtaggaag	cctctgaggt	tcctgttcct	ttctgctgga	tttatgccgc	tgccagcatc	4080
ggagcagttt	ctaccaccca	cacatttcct	tgtaaataag	ccaggcctct	tcctatgggg	4140
aatgctttca	ttaaaagagg	cagccactgc	tgacagacc	tgaggcttc	tcagggctag	4200
agcaggcggg	ggtgcagtgg	gcaaagccag	tggaggcaca	ggctgggttg	tggcagcttc	4260
ctggagggcc	ctgccctagt	aatgagggcc	caggcatgcg	gctgaccctt	tgaagatgtg	4320
tcctgaagct	ctctcatggt	gatcaatgac	aggaaccag	actcctgctt	tagccaaatg	4380
ataagtttgg	cctcttttat	tggaaaccaa	attacaaatt	aattagcagc	ttcctctggg	4440
gctgggtgtg	aacatcaaca	ccacccaatg	atgaatttct	atcatgagcc	ccctcactgc	4500
aagggcataa	aatggcccgg	gcggcagggg	gtctgtagac	atccaggtag	ctgtggctga	4560
ggagaaaagg	cctctccaac	atgacatcct	cctgctgtgt	caccaacaac	ttgcaagcct	4620
ctctcaagag	ctgcccccg	cctgcctcgg	tctgttcag	cggcgtgaac	tgccggcctg	4680
agctgtgcct	gggctatgtc	tgccagccca	tggcatgcct	gccttcgggtc	tgcccgccca	4740
ccacettccg	gccagccagc	tgccctctcca	aaacctatct	atccagttcc	tgccaggcag	4800
ccagtggcat	ctccggctcc	atgggccccg	gcagctggta	cagcgaagg	gccttcaatg	4860
gcaatgagaa	ggaaaccatg	cagttcctta	acgaccgcct	ggccagctac	ctgacgagg	4920
tgccggcagct	ggagcaggag	aatgcggagc	tggagagcag	gatccaagag	gcctctcact	4980
cccagggtgct	caccatgact	cctgactacc	agtctcattt	caggaccatt	gaccagctcc	5040
agcagaaggt	gagggcagcg	gtgaggtgaa	taggctctct	gggaaggga	ctggactagc	5100
tggcattcca	gattggaatc	tcgttagctt	attaagctat	gttcaggaca	aagagacttc	5160
cctagggcat	agggttattt	tataatttga	gcactcagcc	tgaggctttc	atgtggagag	5220
atctgggatc	tagtctcagt	tctaccattg	cctcattgca	tgactttggg	gggtcccatcc	5280
cttccccagg	cctcagtttt	ctcatctgta	aaacagggat	aataatgggtc	gttatctaata	5340
ggggttgtca	aaaggatttg	atgagatgat	gcagggtcaag	tgcttggaac	agccctggt	5400
ccacggtaag	ttttcagtaa	atgtcaaaga	cccttctaac	tgtcacatga	gtgacttcag	5460
acatgagatt	cttcccttcc	acattgcttg	gcacatccaa	aatggggaat	ttgaatttac	5520
gaagcttcag	gttcttaaaa	aatacatctc	aagttctcca	aggactagca	attcgctaaa	5580
tatctcccag	agttccagg	aagaggacct	tctgcaggga	tggctgcagg	gctgctggat	5640
cctacctttg	ctgctgtctt	ctcttcattt	gggttcttct	tgcttcgtct	catcctgaac	5700
taaccctctc	catgtgcctt	ggcctacaga	ttctgtgtac	caaggcagag	aatgccagga	5760
tggttgtgaa	cattgataat	gccaaactgg	ctgccgatga	cttcaggggc	aagtgaagttc	5820
agtcgggggg	ctggagctgg	ggaggacctg	tcctcatagg	ctctggggca	actttccatt	5880

agtttcacgg	agggttggaa	agtgccggca	gtttaaggcc	ttccctgagt	tctgcattct	5940
gtttcacctt	tggttgctga	ccctgtcctt	gtgcaggtag	gaggcagagc	tggccatgcg	6000
gcagctgggt	gagggcgaca	tcaatggcct	gcgcaggatc	ctggatgatc	tactctgtg	6060
caaggctgac	ctggaggccc	aggttgagtc	cctgaaggag	gagctgatgt	gcctcaaaaa	6120
gaaccatgag	gaggtgaggc	tgggaagtcc	cgctgaagtg	gccccgggaa	gcagaggggg	6180
aggaacgtgg	ggtatggggt	tggataggcg	tgggttgaaa	ttcccaagcc	tgccacatgt	6240
tgtttttagtg	actttgccc	atztatggaa	tcttcctgag	cctcctcttc	tgtaaaatgg	6300
ggacaacatg	atcacgcagg	gttattgtga	ggatttaatg	gacaggatat	ggatcatgga	6360
aatccccaag	gcatgggtat	gaaacacctg	ccacttggtc	aactctcaga	agtgtagccc	6420
ccttccttct	tgcatttcct	gggctagtgt	gactgccaa	cactcactag	tggcaactgc	6480
atttttttct	ctcgagagcc	acacagcaga	ggtagagtgg	tgcagtgggt	ccgggggtgag	6540
ttatgttcca	gatctcacgt	tgaatggcct	gtccatctct	gcctggctca	actctcagaa	6600
gcagtccecat	ctcttctgag	agggagtaca	gctgcagtgg	tctcctcttt	ttgcccttat	6660
ccttattttg	tcctcccttc	tgtttgcata	taaaatgctc	aaagctgaagc	cctttacttt	6720
ctgatttttc	cttatctcct	gaagtttctt	ggagggggaag	ccctctgctt	tgggcacctg	6780
tgtgtgccca	agcccacctg	agccatgggt	tttttcccc	ctccctcctt	gactctcaac	6840
ctcttgactt	gggatttgaa	tgaacaagt	cctctgaatc	ttggctgggt	ttcctcaggg	6900
cttaagtgt	aagtaacaat	cagtcaccac	gtactaccg	agcaccctcg	ggctcctgac	6960
tcatcttgct	caaatacagag	aactgggaac	ggcaccaaga	agccactaat	gagaagttat	7020
cacacatcct	ggcagactca	gtgacaactt	tccctcttg	cagccaagcc	tgggaggcag	7080
ctgccctaac	tcgggccttt	aactagtcaa	gccaggctcc	tgtaccctc	ctccaggatg	7140
aacacagggt	gggagggaga	ctgggaatac	taggggtacc	ggtttcccat	tttagcccaa	7200
atgcatcaaa	caaaccagg	tgtgtctctt	ggcttctgcc	aaagtgaag	gaagtgttgt	7260
gttgacgtga	ggttcccatc	gcaggggtat	tcagctggag	tttgaagagc	actgggatgc	7320
tgtgtagtg	actgcagtc	ttaggggcca	tctaattgtt	caatctttag	caacttttgt	7380
tgcattcttt	catgtctccc	tggggagggt	agccaggatc	ctatgattgt	cacatttttc	7440
tggaggctct	gtgccttttc	aggaagtcgg	ttcccttcga	tgccagcttg	gggaccgcct	7500
taacatcgag	gtggacgctg	cacccccgg	ggacctgacc	aggggtgctg	aggagatgcg	7560
gtgtcagtag	gaggccatgg	tggaggccaa	ccgcagggg	gtggagggaat	ggttcaatat	7620
gcagggtggg	ctctcacggt	ggggatggcc	tcctccatat	ccctaggaag	ggactctagc	7680
cttctccttc	ccccaaactgc	agatggagga	gcttaaccaa	cagggtggcca	caagctctga	7740
gcagcttcag	aactaccagt	cagacatcat	tgacctgaga	cgcacggtca	acacgctgga	7800
gatcgagctg	caggcccagc	acagcctggt	gagagctgct	gggtgggcac	ccatccctcc	7860
ggatcctagg	cggtactgag	cataggtgca	ggtccccagg	aaagagggaag	aggaggctca	7920
gatttcagcc	accatggatg	ctcatcctgt	tgacttttcc	cggagggagg	tttctcccg	7980
gatccagctc	agagataaaa	aagggtgtgt	tcaaatcaga	catgggttag	gtgacactgt	8040
caaactcaac	tcactaaga	aggttgtttc	tgtgtcttagc	ctgcccttcc	aaacctatgg	8100
atctcaatat	cacccatcct	gatacccagg	ttcttttctg	gaccaactga	accagagtct	8160
ctggagggtg	gacctgatca	cagctatttt	tttttttttt	gagatggagt	ctcactctgt	8220
tgcccaggct	ggagagcagt	ggcatgatct	cagctccctg	caacctctga	cccgtgggt	8280
tcaagtgatt	ttccagcctc	agcctcccaa	gtagctggat	tacaggcggt	caccactatg	8340
ccctgcta	gtttgtattt	ttagtagaga	gggggtttca	ccatgttggc	caggctggtc	8400
tcgaactcct	gacctcaggt	gatccacctg	ccttggccctc	ccagagtgtct	gggattacag	8460
gcatgagcta	ctgtgaccgg	ccagccatgg	gtattttttg	agggctccca	tgtggcgcta	8520
atgtgcagct	aggtttgaaa	accctgttcc	taaatgatgc	cggcaggggag	ggtagctggg	8580
aaatctcagt	ccaatcctga	aggcagacaa	aggttgcgga	agaaaggagg	gatttaggat	8640
cagatttacg	aatagaaact	gtgggttccat	aatgtaccag	ctgtttaccc	ttgaacaagt	8700

catttgacct	ttctgggctt	ctgtttccaa	agtgactggt	gtagggaggg	cttcatttcc	8760
agcatcaa	ggagatttgg	ctcttcttgg	ttctttctga	agcaggccat	ggtaaacagc	8820
tcccttctc	atggttatgt	cttcctttgc	cttagagggg	ctccctggaa	aacacgctga	8880
cggagagtga	ggcccgtac	agctcccagc	tggcccagat	gcagtgc	atcaccaatg	8940
ttgaggccca	gctggctgag	atccgggctg	agctggagcg	gcagaaccag	gagtaccagg	9000
tgctgctgga	cgtccggggc	cggctggagg	gcgagatcaa	cacgtaccgg	agcctgctgg	9060
agagtgagga	ctgcaagtat	gcaggcccag	ctgaggctta	gagagacgtg	ggcagggatt	9120
ctgggaggtt	ataggaagca	actggatcta	cccttgaggg	accatcagct	tagaaccctg	9180
tcctgactat	ggagccatta	agaagctggt	atgctctgaa	ggaagtcagg	cagtgggtgt	9240
catgctgcc	tcctgaacca	agccctctgg	agaccattct	atctcattcc	aagctggcaa	9300
gctccttcta	agtgccacc	atggggcagg	tgctatggag	gacaccaaga	tagaggaaga	9360
cagggcattt	gcctcctgtc	atttccatat	gtttagggag	ataggcagac	aggtgactgg	9420
aggtcatggc	ctgtccggag	cttaggatga	aaagcagctt	tattaatagt	acctacacat	9480
ctgctcccac	tcttaccag	cctcacctca	tagctccatt	cctctcagaa	cggagatttt	9540
ggcatgtcag	caggacaata	ggtagccttg	tgtaattgag	ccctgggtggg	gagcaggaca	9600
ggaaagatca	gccggggccc	atttatggag	aacaacacgg	gtcatactgg	gaagggaggg	9660
ctttaattta	taggtgagtg	gaaattgttt	tgaggaggaa	atgagagaat	ttactgtgtg	9720
tcttctccac	tagatggtaa	acatctagaa	tgcagagaca	ttataataca	attttattcc	9780
ctgtacgtgg	cacatagtag	atgctcagta	aatgtctctc	aagctcaaag	ctgttcttca	9840
ggaagatggc	cctgatagca	gcaggaagaa	ctgagtagag	ggaggggaac	caggcagggg	9900
aactgtccag	gaggccctgg	ccacagccta	ggtaagcaat	agggagggcc	tgagttaggg	9960
cagcagaggc	atcagctcta	gacactgtgc	aggtagaatc	agcaggactt	ggtggctgtc	10020
tgaatgcagg	gtacctctgg	gccatggaca	cccggtgggc	tgacgactgt	tgtagctgtt	10080
tcttattccg	catttggcgt	tgttcttcca	tcattcagaa	tctataactt	cagggcaagt	10140
gttgtgtcaa	acatttgcaa	ggaccaggcc	attaacatgc	atgaatgacg	tgggtcatac	10200
tgagatggta	gaaaagcaga	aagctcttgc	cttgtccaat	ccaggcaatg	gcatgccctc	10260
agggccactc	tactgtgtga	gaagcaggtc	caatattgct	gatcttccaa	tagttccagg	10320
gaagctgaga	atctgggttt	ttaaaaatgt	taaattctcc	tgattcttaa	gtattttcaa	10380
aaaattaaag	aaaatatata	gtgccaggca	aatggaacac	atttcagggt	gcacatgatc	10440
ctcaggcctc	ccattgggtc	tctgagctac	tgggtttcca	tccagcatcc	agtgtgttgt	10500
tcttggtttt	gagtgcatgc	ctgtcagtct	ctgagtcatc	ctttttcctt	tcaccatgta	10560
ttaattcttc	attcatttat	tgttttgtct	gatccaaata	ttcttattag	gtgcctattc	10620
tatgtgaggt	atgcagggtg	ggcatgggtc	tgtggctgct	ggcctcactg	cttggccggg	10680
gagacagacc	ataatagaat	gattactact	cacgatgaaa	ggagatacat	gtaccatggg	10740
ggctttgtct	cagagagggtg	ggggaggctt	caaggaggac	gtgacagttg	agttgagctc	10800
ttaaacaaga	gaagaaatgt	aggtgagtg	agaggggaag	agggttccag	agatgtacgg	10860
cacaggcaca	agccctgtgg	cctgagcagt	acagtccctg	caggagctgg	aagaaggtca	10920
gagtacctgc	agctcccaga	gtaatggagc	tatcagggtga	ggctggggca	agaggtggga	10980
gcaggatcat	gcaggctcta	ttaagggaagc	ttcttttctt	tattttattt	tattttactt	11040
taacttctgg	gatacatgtg	cagaacgtgc	aggtttgtta	cataggtgta	catgtgccat	11100
ggtgggtggt	ttgttgctta	tcaaccctgc	atgtagggtt	taagccctgc	atgcattaga	11160
tatttgtttt	aattttctcc	ctccctgctc	ccctcacctc	tcgacaggcc	ccagtatatg	11220
atgttccccg	gcctgtgtcc	atgtgttctc	attgttcaac	tctcacttat	gagtgagaac	11280
atgtagtgtt	tggttttctg	ttcctgtgtt	agtttgctga	gaatgatggc	ttccagagga	11340
agctgctttt	catcctgagc	tcaaatggaa	gccactgaag	gttttaggga	ggggagggac	11400
ataattggat	ttgtgactgt	agaagattgc	tctggctact	aagtggacag	tggttaggag	11460
gggccaagt	ggggttgggg	agatcagtta	ggaggccatg	aggtgactca	ggcaaagatg	11520
gcgagggttg	ggaccaggga	ggctgggcag	agaaagcacg	gaagatgggg	ttgagaggca	11580

```

tccgagggga gaattggcag gacctgtggc cgagtgggcc ttctctacta atcctgtttc 11640
tcttttagact ttctcctgca ggctgccctg taacccatgc tccactcctt cctgcaccac 11700
ctgtgtgccc tccccatgcg tgaccgcgac cgtctgtgtg ccacgcactg ttggcatgcc 11760
ttgtcacccc tgcccccagg gccgctactg aagtcctttt gtgccagtgg atcctggagg 11820
gcctgggggt gggcagcctg gtattcagtg gccaccagaa gagcagggcc agccccggtc 11880
agcaaggaag accctgagca ggaccgtgga tcacctgcaa caagctctga tactccaggg 11940
gatacttaag ccctcatcac ttcaaaactg cctctttttt ccatgggtga actgttctct 12000
ttggtgatgt ttctggttgt ctgtgtgcc tcaaagagcg tgtgttctta gttaactggc 12060
aaatagagct gtactcagtg gccttgcaa catgtctgtc tctgtttgtc acttacgctg 12120
ctgcatccac aagccaatcc tactcaattg ggcttaagag gaacgtgggc aaattctgta 12180
tttattttta tgctccttct gcttccatag aggcttgaga ggtgttctact aaaagggccc 12240
gcatgccata aaccagttaa aactaatcaa ttactctaga gccaagtaat aaaagaataa 12300
agagaggagg gagataatta tgccagaaac ctaggccaaa ttactgtaat tgagaatcat 12360
atcataataa acccaccctt aaatctcatt acagctggta caatgtgatc attcattctt 12420
tcaaaatata ttactgagc agctactggg tgcaggttct gcattagagg ctggctaata 12480
caaggaagag ttcccagaca cattgttagt aatgcttcat ttaatccttg caacaatccg 12540
tgaaaaatat gccattattg catccatttt gttaatgagg aaactgaggc ccagagaagt 12600
taagaaactt gcccaaagtc acacagcttg ttagtggcag acccaggact gaaatcgagg 12660
cctttgggct ctagagatgc tcaaccgatt cacattcaca gtcctcacta tttgcaaact 12720
acagctgggt gcagggggta ttaaaaatgc aagtgtcac caccattcaa acacttgtaa 12780
ttacaggagg agctaagacc catgtgcata agatgccact cctttcttca taagggccat 12840
ataatagtaa cagtaataat agtaataatg gcaacggtta ctaattcttg agcacttata 12900
atgactgag tactgtgtgg agcatattac ataaattaac ttatgcagtt ttcattacca 12960
ccttgtaagg tacacatagt atccatttta gacatggaaa tggaggcata ggggtggtaa 13020
gttagttgtt gaaggttaca tgcaaggaca aagacttaaa cccaagtcta gcttcacagc 13080
agtgttattt taaccattct aactgccaaa ttcctaccca gaaagagtaa acactagtca 13140
agatttgagg aaagtcttaa gctgagagga tcctgaaagg cttcttgtag ctggtggcat 13200
ttgaaatagg tcttgagggt tgaatagaag gtctacaggg caccagatag gcaagtaagt 13260
gtgtggggat cttcaggaga gcaggggggtc atgcttgtaa ggctcaagg ggtcttgctg 13320
gctggagcag tgagttcctg tgagaggctg actggggatg aagctcaaata ggtagaaagg 13380
catcagagag tagggggggc ttgggtacct cacaaaaagc ctggattctg gactctatcc 13440
tgaaggcaat gggagggctg ctgcaggatt tgagcccaaa gatgacatga cttgagtggc 13500
atcttagaaa gtatcaccaa gtaacacaga caggatagct aagaggaggg gttaggctgt 13560
ggaagaagct aacagggtct caggcaagac aatgtcaggg accatggaaa aataaggaat 13620
caatctaaga gacactgtga tggacctgac ttggcaatgg attggccatg gcaggtaaag 13680
aggagagagc tggggacagg aatcttgaac acctttcaga acctcaccct ccaaacacac 13740
agttcttctt taatgagctg agatgatgtt tctattaagt atcctccctc tggccttgcc 13800
aagaaatgat gaaaaatgga ttggatcctg aagctgcctg caggctgctc tccagacatg 13860
atcctgcagg catccttggc agacaaggctc attagcctga cagcagggac atgaacatac 13920
tgcttagcaa gctgtggttc ctggttgatg gatgggtaaa atttcaagaa gctgaaatgc 13980
caagagagag gggttctggc taattgaatt ttctcataac cgcgtgcaaa ccagcaatct 14040
ttaatttcaa ccccggtgca aaacttttct ggaatgtgct cagcttgata aacaacacgc 14100
agaacagacc aaagctt                                     14117

```

<210> 1378

<211> 1296

<212> DNA

<213> Homo sapiens

<400> 1378

ccggcgccctg ggttggcgct gcggggcgga ggcggtgtct gagcgccgct ccggctctgc

60

tctctctcga	gcttcggcac	ccgcccagagc	cgctcgcgcg	cccgccacct	gtctgcccac	120
tcggctgtct	gtctgccctc	ccgcccagcag	ctcctgcctc	gggectgccc	tctccggtct	180
cggtgctccg	aggggcgacg	agaagcgcg	cggggcccgtg	gcgcaccggg	cagggcgcg	240
ggggcgacg	gcctgggggc	gcacggtgcg	gcgcggcccc	atgaggcttt	ccagcgcggg	300
gagcggcagc	gccggccggc	catggggggg	agcctgcggg	tggccgttct	aggcgccccg	360
ggcgtgggca	agacggccat	catccgccag	ttcctgttcg	gtgactacc	cgagcgccac	420
cggcccacgg	acgggcccgc	cctctaccga	cccgcgggtg	tgctcgacgg	cgccgtctac	480
gacttgagca	tccgcgacgg	cgacgtcgct	ggccccggct	cgagccccgg	gggtccggag	540
gagtggccag	acgctaagga	ctggagcttg	caggacacgg	acgccttcgt	gctcgtctac	600
gacatctgca	gcccggacag	tttcgactac	gtgaaggccc	tgccggcagcg	catcgcgagg	660
accaggccgg	cgggcgcgcc	cgaagcgccc	atcctcgtgg	taggcaacaa	gcgggacagg	720
cagcggctgc	gcttcggacc	gcggcgcgcg	ctggccgccc	tagtgcgag	gggctggcg	780
tgccgctacc	tcgagtgtc	cgccaagtac	aactggcacg	tgctgcgtct	cttcgcgag	840
ctgctgcgct	gcgctctggt	gcgcgcgcgc	cctgcacacc	cgccctgcg	cctgcagggg	900
gcgctgcac	ccgcgcgctg	cagcctcatg	tgaccgatc	ggacagtgcc	atccatgggc	960
cccaccttgt	gactgggaca	atcagggacc	tggattggac	gggatcgccc	aacttcactg	1020
ggactggaca	gggaagtctc	cgccctgatt	ggatgaggaa	agctccaacc	cagtctccta	1080
agcgactggc	ccccttttga	acctcattgg	acccaaccag	gtcccaagct	ccattggaga	1140
tgaccagtcc	tttctgggac	ctcaatgggt	cacaatccca	ttggatggaa	aggacttggc	1200
tatgaacttg	actggaaaca	cgcagcctgc	tcttgagct	tactggaca	tattctttat	1260
gccacaccta	ccacgggata	ataaaaggga	aaataa			1296

<210> 1379  
 <211> 3360  
 <212> DNA  
 <213> Homo sapiens

<400> 1379	gaattccggc	tgtgccgcac	cgaggcgagc	aggagcaggg	aacagggtgtt	taaaattatc	60
caactgccat	agagctaaat	tcttttttgg	aaaattgaac	cgaacttcta	ctgaatacaa		120
gatgaaaatg	tggttgctgg	tcagtcac	tgtgataata	tctattacta	cctgttttagc		180
agagttttaca	tggatatagaa	gatatgggtca	tggagtttct	gaggaagaca	aaggattttgg		240
accaattttt	gaagagcagc	caatcaatac	catttatcca	gaggaatcac	tgggaaggaaa		300
agtctcactc	aactgtaggg	cacgagccag	ccctttccc	gtttacaaat	ggagaatgaa		360
taatggggac	gttgatctca	caagtgatcg	atacagtatg	gtaggaggaa	accttggttat		420
caacaaccct	gacaaacaga	aagatgctgg	aataactac	tgttttagcat	ctaataacta		480
cgggatggtc	agaagcactg	aagcaaccct	gagctttgga	tatcttgatc	ctttcccacc		540
tgaggaacgt	cctgaggtca	gagtaaaaga	agggaaagga	atggtgcttc	tctgtgaccc		600
cccataccat	tttccagatg	atcttagcta	tcgctggctt	ctaaatgaat	ttcctgtatt		660
tatcacaatg	gataaacggc	gatttgtgtc	tcagacaaat	ggcaatctct	acattgcaaa		720
tgttgaggct	tccgacaaag	gcaattatc	ctgctttgtt	tccagtcctt	ctattacaaa		780
gagcgtgttc	agcaaattca	tcccactcat	tccaatacct	gaacgaacaa	caaaaccata		840
tctgtctgat	attgtagttc	agttcaagga	tgtatatgca	ttgatggggc	aaaatgtgac		900
cttagaatgt	tttgacttg	gaaatcctgt	tccggatatc	cgatggcgga	aggttctaga		960
accaatgcca	agcactgctg	agattagcac	ctctggggct	gttcttaaga	tcttcaatat		1020
tcagctagaa	gatgaaggca	tctatgaatg	tgaggctgag	aacattagag	gaaaggataa		1080
acatcaagca	agaatttatg	ttcaagcatt	ccctgagtgg	gtagaacaca	tcaatgacac		1140
agaggtggac	ataggcagtg	atctctactg	gccttgtgtg	gccacaggaa	agcccatccc		1200
tacaatccga	tggttgaaaa	atggatatgc	gtatcataaa	ggggaattaa	gactgtatga		1260
tgtgactttt	gaaaatgccg	gaatgtatca	gtgcatagct	gaaaacacat	atggagccat		1320
ttatgcaaat	gctgagttga	agatcttggc	gttggctcca	acttttgaaa	tgaatcctat		1380

gaagaaaaag	atcctggctg	ctaaaggtgg	aaggggtgata	attgaatgca	aacctaaagc	1440
tgcaccgaaa	ccaaagtttt	catggagtaa	agggacagag	tggcttgtca	atagcagcag	1500
aatactcatt	tgggaagatg	gtagcttgga	aatcaacaac	attacaagga	atgatggagg	1560
tatctataca	tgctttgcag	aaaataacag	agggaaagct	aatagcactg	gaacccttgt	1620
tatcacagat	cctacgcgaa	ttatatgggc	cccaattaat	gccgatatca	cagttggaga	1680
aaacgccacc	atgcagtgtg	ctgcgtcctt	tgatcctgcc	ttggatctca	catttgtttg	1740
gtccttcaat	ggctatgtga	tcgattttaa	caaagagaat	attcactacc	agaggaattt	1800
tatgctggat	tccaatgggg	aattactaat	ccgaaatgcg	cagctgaaac	atgctggaag	1860
atacacatgc	actgcccaga	caattgtgga	caattcttca	gcttcagctg	accttgtagt	1920
gagaggccct	ccaggccctc	caggtggtct	gagaatagaa	gacattagag	ccacttctgt	1980
ggcacttact	tggagccgtg	gttcagacaa	tcatagtcct	atttctaaat	acactatcca	2040
gaccaagact	attctttcag	atgactggaa	agatgcaaag	acagatcccc	caattattga	2100
aggaaatatg	gaggcagcaa	gagcagtggg	cttaatccca	tggatggagt	atgaattccg	2160
cgtggtagca	accaatacac	tgggtagagg	agagcccagt	ataccatcta	acagaattaa	2220
aacagacggg	gctgcaccaa	atgtggctcc	ttcagatgta	ggaggtggag	gtggaagaaa	2280
cagagagctg	accataacat	ggg'gccttt	gtcaagagaa	taccactatg	gcaacaattt	2340
tgggttacata	gtggcattta	agccatttga	tggagaagaa	tggaaaaaag	tcacagttac	2400
taatcctgat	actggccgat	atgtccataa	agatgaaacc	atgagccctt	ccactgcatt	2460
tcaagttaaa	gtcaaggcct	tcaacaacaa	aggagatgga	ccttacagcc	tactagcagt	2520
cattaattca	gcacaagacg	ctcccagtga	agccccaaca	gaagtaggtg	taaaagtctt	2580
atcatcttct	gagatatctg	ttcattggga	acatgtttta	gaaaaaatag	tggaaagcta	2640
tcagattcgg	tattgggctg	cccatgacaa	agaagaagct	gcaaacagag	ttcaagtcac	2700
cagccaagag	tactcggcca	ggctcgagaa	ccttctgcc	gacaccagct	attttataga	2760
agtcggggcc	tgcaatagtg	caggggtgtg	acctccaagt	gacatgattg	aggctttcac	2820
caagaaagca	cctcctagcc	agcctccaag	gatcatcagt	tcagtaagg	ctggttcacg	2880
ctatataatc	acctgggatc	atgtcgttgc	actatcaaat	gaatctacag	tgacgggata	2940
taaggtactc	tacagacctg	atggccagca	tgatggcaag	ctgtattcaa	ctcacaacaa	3000
ctccatagaa	gtcccaatcc	ccagagatgg	agaatacggt	gtggagggtc	gcgcgcacag	3060
tgatggagga	gatggagtgg	tgtctcaagt	caaaatttca	ggcgcacca	ccctatcccc	3120
aagtcttctc	ggcttactgc	tgcctgcctt	tggcatcctt	gtctacttgg	aattctgaat	3180
gtgttgtagc	agctgctgtt	cccatcccag	ctcagaagac	acccttcaac	cctgggatga	3240
ccacaattcc	ttccaatttc	tgcgggtcca	tcctaagcca	aataaattat	actttaacaa	3300
actattcaac	tgattttaca	cacacatgat	gactgaggca	ttcaggaacc	ccttcatcca	3360

<210> 1380  
 <211> 9534  
 <212> DNA  
 <213> Homo sapiens

<400> 1380	cagcgactcc	tctggctccc	gagaagtggg	tccggctcgc	gccactacga	tgccgggagc	60
	cgccggggtc	ctcctccttc	tgctgctctc	cggaggcctc	gggggcgtag	aggcgcagcg	120
	gccgcagcag	cagcggcagt	cacaggcaca	tcagcaaaga	ggttttattcc	ctgctgtcct	180
	gaatcttgct	tctaattgct	ttatcacgac	caatgcaaca	tgtggagaaa	aaggacctga	240
	aatgtactgc	aaattggtag	aacatgtccc	tgggcagcct	gtgaggaacc	cgcagtgtcg	300
	aatctgcaat	caaaacagca	gcaatccaaa	ccagagacac	ccgattacaa	atgctattga	360
	tggaaagaac	acttgggtgg	agagtcccag	tattaagaat	ggaatcgaat	accattatgt	420
	gacaattaca	ctggattttac	agcaggtgtt	ccagatcgcg	tatgtgattg	tgaaggcagc	480
	taactcccc	cggcctggaa	actggatttt	ggaacgctct	cttgatgatg	ttgaatacaa	540
	gccctggcag	tatcatgctg	tgacagacac	ggagtgccta	acgctttaca	atattttatcc	600
	ccgcactggg	ccaccgtcat	atgccaaaga	tgatgaggtc	atctgcactt	cattttactc	660



caagatacac	cccttagaaa	atggagagat	tcacatctct	ttaatcaatg	ggagaccaag	720
tgccgatgat	ccttctccag	aactgctaga	atttacctcc	gctcgctata	ttcgccctgag	780
atttcagagg	atccgcacac	tgaatgctga	cttgatgatg	tttgctcaca	aagacccaag	840
agaaattgac	cccattgtca	ccagaagata	ttactactcg	gtcaaggata	tttcagttgg	900
agggatgtgc	atctgctatg	gtcatgccag	ggcttgtcca	cttgatccag	cgacaaataa	960
atctcgctgt	gagtgtgagc	ataacacatg	tggcgatagc	tgtgatcagt	gctgtccagg	1020
attccatcag	aaaccctgga	gagctggaac	ttttctaact	aaaactgaat	gtgaagcatg	1080
caattgtcat	ggaaaagctg	aagaatgcta	ttatgatgaa	aatgttgcca	gaagaaatct	1140
gagtttgaat	atacgtggaa	agtacattgg	agggggtgtc	tgcattaatt	gtacccaaaa	1200
cactgctggg	ataaactgcg	agacatgtac	agatggcttc	ttcagaccca	aaggggtatc	1260
tccaaattat	ccaaggccat	gccagccatg	tcattgcatg	ccaattgggt	ccttaaataa	1320
agtctgtgtc	aaggatgaga	aacatgctcg	acgaggtttg	gcacctggat	cctgtcattg	1380
caaaactggg	tttgagggtg	tgagctgtga	tcgggtgtgcc	aggggctaca	ctggctaccc	1440
ggactgcaaa	gcctgtaact	gcagtgggtt	aggagcaaaa	aatgaggatc	cttgttttgg	1500
ccctgtatc	tgcaaggaaa	atggtgaagg	aggagactgt	agtcgttgca	aatccggctt	1560
cttcaatttg	caagaggata	attggaaagg	ctgcatgatg	tgtttctgtt	caggggtttc	1620
aaacagatgt	cagagtccct	actggacctt	tggcaaaaata	caagatatga	gtggctggta	1680
tctgactgac	cttccctggc	gcattcgagt	ggctccccag	caggacgact	tggactcacc	1740
tcagcagatc	agcatcagta	acgcggaggc	ccggcaagcc	ctgccgcaca	gctactactg	1800
gagcgcgcg	gctccctatc	tgggaaacaa	actcccagca	gtaggaggac	agttgacatt	1860
taccatatca	tatgaccttg	aagaagagga	agaagataca	gaacgtgttc	tccagcttat	1920
gattatctta	gagggtaatg	acttgagcat	cagcacagcc	caagatgagg	tgtacctgca	1980
cccatctgaa	gaacatacta	atgtattgtt	acttaaagaa	gaatcattta	ccatacatgg	2040
cacacatttt	ccagtcgcta	gaaaggaatt	tatgacagtg	cttgcggaatt	tgaagagagt	2100
cctcctacaa	atcacataca	gctttgggat	ggatgccatc	ttcaggttga	gctctgttaa	2160
ccttgaatcc	gctgtctcct	atcctactga	tggaaagcatt	gcagcagctg	tagaagtgtg	2220
tcagtgccca	ccagggtata	ctggctcctc	ttgtgaatct	tgttggccta	ggcacaggcg	2280
agttaacggc	actatttttg	gtggcatctg	tgagccatgt	cagtgccttg	gtcatgcgga	2340
gtcctgtgat	gacgtcactg	gagaatgcct	gaactgtaag	gatcacacag	gtggcccata	2400
ttgtgataaa	tgtcttcctg	gtttctatgg	cgagcctact	aaaggaacct	ctgaagactg	2460
tcaacctgtg	gcctgtccac	tcaatatccc	atccaataac	tttagcccaa	cgtgccattt	2520
agaccggagt	cttggattga	tctgtgatgg	atgccctgtc	gggtacacag	gaccacgctg	2580
tgagaggtgt	gcagaaggct	attttggaca	accctctgta	cctggaggat	catgtcagcc	2640
atgccaatgc	aatgacaacc	ttgacttctc	catccctggc	agctgtgaca	gcttgtctgg	2700
ctcctgtctg	atatgtaaac	caggtacaac	aggccggtag	tgtgagctct	gtgctgatgg	2760
atattttgga	gatgcagttg	atgcgaagaa	ctgtcagccc	tgtcgctgta	atgccggtgg	2820
ctctttctct	gaggtttgcc	acagtcaaac	tggacagtgt	gagtgcagag	ccaacgttca	2880
gggtcagaga	tgtgacaaat	gcaaggctgg	gacctttggc	ctacaatcag	caaggggctg	2940
tgttccctgc	aactgcaatt	cttttgggtc	taagtcatte	gactgtgaag	agagtggaca	3000
atgttgggtg	caacctggag	tcacagggaa	gaaatgtgac	cgctgtgccc	acggctattt	3060
caacttccaa	gaaggaggct	gcacagcttg	tgaatgttct	catctgggta	ataattgtga	3120
cccaaagact	gggcgatgca	tttgccacc	caataccatt	ggagagaaat	gttctaaatg	3180
tgcacccaat	acctggggcc	acagcattac	cactggttgt	aaggcttgta	actgcagcac	3240
agtgggatcc	ttggatttcc	aatgcaatgt	aaatacaggc	caatgcaact	gtcatccaaa	3300
attctctggg	gcaaaatgta	cagagtgcag	tcgaggtcac	tggaaactacc	ctcgctgcaa	3360
tctctgtgac	tgttctctcc	ctgggacaga	tgccacaacc	tgtgattcag	agactaaaaa	3420
atgctcctgt	agtgatcaaa	ctgggcagtg	cacttgtaag	gtgaatgtgg	aaggcatcca	3480

ctgtgacaga	tgccggcctg	gcaaattcgg	actcgatgcc	aagaatccac	ttggctgcag	3540
cagctgctat	tgcttcggca	ctactacca	gtgctctgaa	gcaaaaggac	tgatccggac	3600
gtgggtgact	ctgaaggctg	agcagaccat	tctaccctg	gtagatgagg	ctctgcagca	3660
cacgaccacc	aagggcattg	tttttcaaca	tccagagatt	gttgcccaca	tggaacctgat	3720
gagagaagat	ctccatttgg	aaccttttta	ttggaaactt	ccagaacaat	ttgaaggaaa	3780
gaagttgatg	gcctatgggg	gcaaactcaa	gtatgcaatc	tatttcgagg	ctcgggaaga	3840
aacaggtttc	tctacatata	atcctcaagt	gatcattcga	ggtgggacac	ctactcatgc	3900
tagaattatc	gtcaggcata	tggtctgctc	tctgattggc	caattgacaa	ggcatgaaat	3960
tgaaatgaca	gagaaagaat	ggaaatatta	tggggatgat	cctcgagtcc	atagaactgt	4020
gacccgagaa	gacttcttgg	atatactata	tgatattcat	tacattctta	tcaaagctac	4080
ttatggaaat	ttcatgcgac	aaagcaggat	ttctgaaatc	tcaatggagg	tagctgaaca	4140
aggacgtgga	acaacaatga	ctcctccagc	tgacttgatt	gaaaaatgtg	attgtcccct	4200
gggctattct	ggcctgtcct	gtgaggcatg	cttgccggga	ttttatcgac	tgcgttctca	4260
accaggtggc	cgcacccctg	gaccaaccct	gggcacctgt	gttccatgtc	aatgtaatgg	4320
acacagcagc	ctgtgtgacc	ctgaaacatc	gatatgccag	aattgtcaac	atcacactgc	4380
tggtgacttc	tgtgaacgat	gtgctcttgg	atactatgga	attgtcaagg	gattgccaaa	4440
tgactgtcag	caatgtgcct	gccctctgat	ttcttccagt	aacaatttca	gccccctctg	4500
tgtcgcagaa	ggacttgacg	actaccgctg	cacggcttgt	ccacggggat	atgaaggcca	4560
gtactgtgaa	aggtgtgccc	ctggctatac	tggcagtcca	ggcaaccctg	gaggctcctg	4620
ccaagaatgt	gagtgtgac	cctatggctc	actgctgtg	ccctgtgacc	ctgtcacagg	4680
attctgcacg	tgccgacctg	gagccacggg	aagggaagtgt	gacggctgca	agcactggca	4740
tgcacgcgag	ggctgggagt	gtgttttttg	tgagatgag	tgcaactggc	ttcttctcgg	4800
tgacttggct	cgcctggagc	agatggtcat	gagcatcaac	ctcactgggtc	cgctgcctgc	4860
gccatataaa	atgctgtatg	gtcttgaaaa	tatgactcag	gagctaaagc	acttgctgtc	4920
acctcagcgg	gccccagaga	ggcttattca	gctggcagag	ggcaatctga	atacactcgt	4980
gaccgaaatg	aacgagctgc	tgaccagggc	taccaaagtgt	acagcagatg	gcgagcagac	5040
cggacaggat	gctgagagga	ccaacacaag	agcaaagtcc	ctgggagaat	tcattaagga	5100
gcttgcccgg	gatgcagaag	ctgtaaatga	aaaagctata	aaactaaatg	aaactctagg	5160
aactcgagac	gaggcctttg	agagaaattt	ggaagggtct	cagaaagaga	ttgaccagat	5220
gattaaagaa	ctgaggagga	aaaatctaga	gacacaaaag	gaaattgctg	aagatgagtt	5280
ggtagctgca	gaagcccttc	tgaaaaaagt	gaagaagctg	tttgagagat	cccgggggga	5340
aatgaagaa	atggagaagg	atctccggga	aaaactggct	gactacaaaa	acaaagttag	5400
tgatgcttgg	gaccttttga	gagaagccac	agataaaaatc	agagaagcta	atcgcttatt	5460
tgcagtaaat	cagaaaaaca	tgactgcatt	ggagaaaaaag	aaggaggctg	ttgagagcgg	5520
caaacgacaa	attgagaaca	ctttaaaaga	aggcaatgac	atactcgatg	aagccaaccg	5580
tcttgcatgat	gaaatcaact	ccatcataga	ctatgttgaa	gacatccaaa	ctaaattgcc	5640
acctatgtct	gaggagctta	atgataaaaat	agatgacctc	tccaagaaa	taaaggacag	5700
gaagcttgct	gagaagggtgt	cccaggctga	gagccacgca	gctcagttga	atgactcatc	5760
tgctgtcctt	gatggaatcc	ttgatgaggc	taaaaacatc	tccttcaatg	ccactgcagc	5820
cttcaaagct	tacagcaata	ttaaggacta	tattgatgaa	gctgagaaag	ttgccaaaga	5880
agccaaagat	cttgacatg	aagctacaaa	actggcaaca	ggtcctcggg	gtttattaaa	5940
ggaagatgcc	aaaggctgtc	ttcagaaaag	cttcaggatt	cttaacgaag	ccaagaagtt	6000
agcaaatgat	gtaaaagaaa	atgaagacca	tctaaatggc	ttaaaaacca	ggatagaaaa	6060
tgctgatgct	agaaatgggg	atctcttgag	aactttgaa	gacactttgg	gaaagttatc	6120
agctattcca	aatgatacag	ctgctaaact	gcaagctgtt	aaggacaaaag	ccagacaagc	6180
caacgacaca	gctaaagatg	tactggcaca	gattacagag	ctccaccaga	acctcgatgg	6240
cctgaagaag	aattacaata	aactagcaga	cagcgtcgcc	aaaacgaatg	ctgtgggttaa	6300
agatccttcc	aagaacaaaa	tcattgccga	tgcatatgcc	actgtcaaaa	atttagaaca	6360

ggaagctgac	cggctaatag	ataaaactcaa	acccatcaag	gaacttgagg	ataacctaaa	6420
gaaaaacatc	tctgagataa	aggaattgat	aaaccaagct	cggaaacaag	ccaattctat	6480
caaagtatct	gtgtcttcag	gagggtgactg	cattcgaaca	tacaaaccag	aaatcaagaa	6540
aggaagtac	aataatattg	ttgtcaacgt	aaagacagct	gttgctgata	acctcctctt	6600
ttatcttgga	agtgccaaat	ttattgactt	tctggctata	gaaatgcgta	aaggcaaagt	6660
cagcttcctc	tgggatgttg	gatctggagt	tggacgtgta	gagtaccag	atttgactat	6720
tgatgactca	tattggtacc	gtatcgtagc	atcaagaact	gggagaaatg	gaactatttc	6780
tgtgagagcc	ctggatggac	ccaaagccag	cattgtgccc	agcacacacc	attcgacgtc	6840
tctccagg	tacacgattc	tagatgtgga	tgcaaatgca	atgctgtttg	ttgggtggcct	6900
gactgggaaa	ttaaagaagg	ctgatgctgt	acgtgtgatt	acattcactg	gctgcatggg	6960
agaaacatac	tttgacaaca	aacctatagg	tttgtggaat	ttccgagaaa	aagaagggtga	7020
ctgcaaagga	tgcactgtca	gtcctcaggt	ggaagatagt	gaggggacta	ttcaatttga	7080
tggagaaggt	tatgcattgg	tcagccgtcc	cattcgtctg	tacccaaca	tctccactgt	7140
catgttcaag	ttcagaacat	tttcttcgag	tgctcttctg	atgtatcttg	ccacacgaga	7200
cctgagagat	ttcatgagt	tggagctcac	tgatgggcac	ataaaagtca	gttacgatct	7260
gggctcagga	atggcttccg	ttgtcagcaa	tcaaaacat	aatgatggga	aatggaaatc	7320
attcactctg	tcaagaattc	aaaaacaagc	caatatatca	attgtagata	tagatactaa	7380
tcaggaggag	aatatagcaa	cttcgtcttc	tggaaacaac	tttggctctg	acttgaaagc	7440
agatgacaaa	atatattttg	gtggcctgcc	aacgctgaga	aacttgagta	tgaaagcaag	7500
gccagaagta	aatctgaaga	aatattccgg	ctgcctcaaa	gatattgaaa	tttcaagaac	7560
tccgtacaat	atactcagta	gtcccgatta	tggtgggtgt	accaaaggat	gttccctgga	7620
gaatgtttac	acagttagct	ttcctaagcc	tggttttgtg	gagctctccc	ctgtgccaat	7680
tgatgtagga	acagaaatca	acctgtcatt	cagcaccaag	aatgagtccg	gcatcattct	7740
tttgggaagt	ggaggacac	cagcaccacc	taggagaaaa	cgaaggcaga	ctggacaggc	7800
ctattatgta	atactcctca	acaggggccc	tctggaagt	catctctcca	caggggcacg	7860
aacaatgagg	aaaattgtca	tcagaccaga	gccgaatctg	tttcatgatg	gaagagaaca	7920
ttccgttcat	gtagagcgaa	ctagaggcat	ctttacagtt	caagtggatg	aaaacagaag	7980
atacatgcaa	aacctgacag	ttgaacagcc	tatcgaagtt	aaaaagcttt	tctgtggggg	8040
tgctccacct	gaatttcaac	cttccccact	cagaaatatt	cctccttttg	aaggctgcat	8100
atggaatctt	gttattaact	ctgtccccat	ggactttgca	aggcctgtgt	ccttcaaaaa	8160
tgctgacatt	ggtcgctgtg	cccatcagaa	actccgtgaa	gatgaagatg	gagcagctcc	8220
agctgaaata	gttatccagc	ctgagccagt	tcccacccca	gcctttccta	cgcccacccc	8280
agttctgaca	catggtcctt	gtgctgcaga	atcagaacca	gctcttttga	tagggagcaa	8340
gcagttcggg	ctttcaagaa	acagtcacat	tgcaattgca	tttgatgaca	ccaaagttaa	8400
aaaccgtctc	acaattgagt	tggaaagtaag	aaccgaagct	gaatccggct	tgctttttta	8460
catggctgcg	atcaatcatg	ctgattttgc	aacagttcag	ctgagaaatg	gattgcccta	8520
cttcagctat	gacttgggga	gtggggacac	ccacaccatg	atccccacca	aaatcaatga	8580
tggccagtgg	cacaagatta	agataatgag	aagtaagcaa	gaaggaattc	tttatgtaga	8640
tggggcttcc	aacagaacca	tcagtcccaa	aaaagccgac	atcctggatg	tctgtgggaat	8700
gctgtatgtt	ggtgggttac	ccatcaacta	cactaccgga	agaattgggtc	cagtgcacta	8760
tagcattgat	ggctgcgtca	ggaatctcca	catggcagag	gcccctgccg	atctggaaca	8820
accacactcc	agcttccatg	ttgggacatg	ttttgcaaat	gctcagaggg	gaacatattt	8880
tgacggaacc	ggttttgcca	aagcagttgg	tggattcaaa	gtgggattgg	accttcttgt	8940
agaatttgaa	ttcgcgacaa	ctacaacgac	tggagttctt	ctggggatca	gtagtcaaaa	9000
aatggatgga	atgggtattg	aaatgattga	tgaaaagtgt	atgtttcatg	tggacaatgg	9060
tgcgggcaga	ttcactgctg	tctatgatgc	tggggttcca	gggcatttgt	gtgatggaca	9120
atggcataaa	gtcactgcc	acaagatcaa	acaccgcatt	gagctcacag	tcgatgggaa	9180

ccaggtggaa	gccc aaagcc	caa acccagc	atctacatca	gctgacacaa	atgaccctgt	9240
gtttgttgga	ggcttccag	atgacctcaa	gcagtttggc	ctaacaacca	gtattccgtt	9300
ccgaggttgc	atcagatccc	tgaagctcac	caaaggcaca	gcaagccact	ggaggttaat	9360
tttgccaagg	ccctggaact	gagggcggtt	caacctgtat	catgccagc	caactaataa	9420
aaataagtgt	aaccccgga	agagtctgtc	aaaacaagta	tatcaagtaa	aacaaacaaa	9480
tatattttac	ctatatatgt	taattaaact	aatttgtgca	tgtacataga	attc	9534

<210> 1381  
 <211> 806  
 <212> DNA  
 <213> Homo sapiens

<400> 1381	tccccctcccc	accacagctg	tagtgcagtc	caccgtctcc	agtggctatg	gcggtgccag	60
	cggtgtcggc	agtggcttag	gcctgggtgg	aggaagcagc	tactcctatg	gcagtggtct	120
	tggcggttga	ggcggtttta	gttcagcag	cgccagagcc	actgggggtg	gcctcagctc	180
	tgttggaggc	ggcagttcca	ccatcaagta	caccaccacc	tcctcctcca	gcaggaagag	240
	ctacaagcac	tgaagctgtg	ccgccagctc	tcagtcacc	agctctcagg	cccctctctg	300
	gcagcagagc	cctctcctca	ggttgcttgt	cctccccctg	cctccagtct	cccctgcctt	360
	cccgggtaga	gctgggatgc	cctcactttt	cttctcatca	atactgttcc	actgagctcc	420
	tgttgcttac	catcaagtca	acagttatca	gcactcagac	atgcgaatgt	cctttttagt	480
	tcccgattta	ttacaggtat	ctgagctctg	cataattctg	agaagaaaaa	tgacctatat	540
	cccccataag	aactgaaact	cagtctagga	gttctcatct	gacaagtcag	ttgtcctgat	600
	cttctcttgc	agtgtcctga	atggcaagta	gtgtaccttc	tagtgcagtc	tgcatctctg	660
	cactgctttc	tctgctctct	ttgccttctt	ttgttctgtg	tgaataaagc	atattgagaa	720
	tgtgaacatg	ttgtgttaga	ttgtattgct	gaccacttcc	tggttttagaa	acattcgcac	780
	cccacaaatg	gtttcttatc	tttggg				806

<210> 1382  
 <211> 3388  
 <212> DNA  
 <213> Homo sapiens

<400> 1382	aattcggaga	acctgctaca	ggaacagctg	caggcagaga	cagagctgta	tgagaggct	60
	gaggagatgc	gggtgcggct	ggcgccaag	aagcaggagc	tggaggagat	actgcatgag	120
	atggaggccc	gcctggagga	ggaggaagac	aggggccagc	agctacaggc	tgaaaggaag	180
	aagatggccc	agcagatgct	ggaccttgaa	gaacagctgg	aggaggagga	agctgccagg	240
	cagaagctgc	aacttgagaa	ggtcacggct	gaggccaaga	tcaagaaact	ggaggatgag	300
	atcctggtca	tggatgatca	gaacaataaa	ctatcaaaag	aacgaaaact	ccttgaggag	360
	aggattagtg	acttaacgac	aaatcttgca	gaagaggaag	aaaaggccaa	gaatcttacc	420
	aagctgaaaa	acaagcatga	atctatgatt	tcagaactgg	aagtgcggct	aaagaaggaa	480
	gagaagagcc	gacaggagct	ggagaagctg	aaacggaagc	tggaggggtg	tgccagcgac	540
	ttccacgagc	agatcgctga	cctccaggcg	cagatcgag	agctcaagat	gcagctggcc	600
	aagaaggagg	aggagctgca	ggcgccctg	gccaggcttg	acgatgaaat	cgctcagaag	660
	aacaatgccc	tgaagaagat	ccgggagctg	gagggccaca	tctcagacct	ccaggaggac	720
	ctggactcag	agcgggccgc	caggaacaag	gctgaaaagc	agaagcgaga	cctcggcgag	780
	gagctggagg	ccctaaagac	agagctggaa	gacacactgg	acagcacagc	cactcagcag	840
	gagctcaggg	ccaagaggga	gcaggaggtg	acgggtgctga	agaaggccct	ggatgaagag	900
	acgcggtccc	atgaggctca	ggtccaggag	atgaggcaga	aacacgcaca	ggcggtggag	960
	gagctcacag	agcagcttga	gcagttcaag	agggccaagg	cgaacctaga	caagaataag	1020
	cagacgctgg	agaaagagaa	cgcagacctg	gccggggagc	tgcggtcct	gggccaggcc	1080
	aagcaggagg	tggaacataa	gaagaagaag	ctggaggcgc	aggtgcagga	gctgcagtcc	1140
	aagtgcagcg	atggggagcg	ggcccggg	gagctcaatg	acaaagtcca	caagctgcag	1200
	aatgaagtgtg	agagcgtcac	agggatgctt	aacgaggccg	aggggaaggc	cattaagctg	1260

gccaaggacg	tggcgteccet	cagttcccag	ctccaggaca	cccaggagtt	gcttcaagaa	1320
gaaacccggc	agaagctcaa	cgtgtctacg	aagctgcgcc	agctggagga	ggagcggaac	1380
agcctgcaag	accagctgga	cgaggagatg	gaggccaagc	agaacctgga	gcgccacatc	1440
tccactctca	acatccagct	ctccgactcg	aagaagaagc	tgcaggactt	tgccagcacc	1500
gtggaagctc	tggaagaggg	gaagaagagg	ttccagaagg	agatcgagaa	cctcacccag	1560
cagtacgagg	agaaggcggc	cgcttatgat	aaactggaaa	agaccaagaa	caggcttcag	1620
caggagctgg	acgacctggg	tggttgattt	gacaaccagc	ggcaactcgt	gtccaacctg	1680
gaaaagaagc	agaggaaatt	tgatcagttg	ttagccgagg	agaaaaacat	ctcttccaaa	1740
tacgcggatg	agagggacag	agctgaggca	gaagccaggg	agaaggaaac	caaggccctg	1800
tccctggctc	gggcccttga	agaggccttg	gaagccaaag	aggaactcga	gcggaccaac	1860
aaaatgctca	aagccgaaat	ggaagacctg	gtcagctcca	aggatgacgt	gggcaagaac	1920
gtccatgagc	tggaagaagc	caagcggggc	ctggagaccc	agatggagga	gatgaagacg	1980
cagctggaag	agctggagga	cgagctgcaa	gcctcggagg	acgccaaact	gcggctggaa	2040
gtcaacatgc	aggcgctcaa	gggccagttc	gaaagggatc	tccaagcccg	ggacgagcag	2100
aatgaggaga	agaggaggca	actgcagaga	cagcttcacg	agtatgagac	ggaactggaa	2160
gacgagcgaa	acgaacgtgc	cctggcagct	gcagcaaaga	agaagctgga	aggggacctg	2220
aaagacctgg	agcttcaggc	cgactctgcc	atcaagggga	gggaggaagc	catcaagcag	2280
ctacgcaaac	tgcaggctca	gatgaaggac	tttcaaagag	agctggaaga	tgcccgtgcc	2340
tccagagatg	agatctttgc	cacagccaaa	gagaatgaga	agaaagccaa	gagcttggaa	2400
gcagacctca	tgcagctaca	agaggacctc	gccgccgctg	agagggctcg	caaacaagcg	2460
gacctcgaga	aggaggaact	ggcagaggag	ctggccagta	gcctgtcggg	aaggaacgca	2520
ctccaggacg	agaagcgccg	cctggaggcc	cggatcgccc	agctggagga	ggagctggag	2580
gaggagcagg	gcaacatgga	ggccatgagc	gaccgggtcc	gcaaagccac	acagcaggcc	2640
gagcagctca	gcaacgagct	ggccacagag	cgcagcacgg	cccagaagaa	tgagagtgcc	2700
cggcagcagc	tcgagcggca	gaacaaggag	ctccggagca	agctccacga	gatggagggg	2760
gccgtcaagt	ccaagttcaa	gtccaccatc	gcggcgctgg	aggccaagat	tgcacagctg	2820
gaggagcagg	tcgagcagga	ggccagagag	aaacaggcag	ccaccaagtc	gctgaagcag	2880
aaagacaaga	agctgaagga	aatcttgctg	caggtggagg	acgagcgcaa	gatggccgag	2940
cagtacaagg	agcaggcaga	gaaaggcaat	gccagggtca	agcagctcaa	gaggcagctg	3000
gaggaggcag	aggaggagtc	ccagcgcata	aacgccaacc	gcaggaagct	gcagcgggag	3060
ctggatgagg	ccacggagag	caacgaggcc	atgggcccgt	aggtgaacgc	actcaagagc	3120
aagctcagag	ggcccccccc	acaggaaact	tcgcagtgat	gcaccaggcg	aggaaacgag	3180
acctctttcg	ttccttctag	aaggctctgga	ggacgtagag	ttattgaaaa	tgcatagtgt	3240
tctgaggagg	aactggacac	tcgagacgca	gacttcaatg	gaaccaaggc	cagtgaataa	3300
gcaactttct	acagttttgc	accacggcaa	gaaaacccaa	aacccaaaca	aacaaacaaa	3360
aaaaacccaa	caacaacccg	aacaagac				3388

<210> 1383  
 <211> 5084  
 <212> DNA  
 <213> Homo sapiens

<400> 1383						
gatcccatcg	cagctaccgc	gatgagaggc	gctcgcggcg	cctgggattt	tctctgcgtt	60
ctgctcctac	tgcttcgcgt	ccagacaggc	tcttctcaac	catctgtgag	tccaggggaa	120
ccgtctccac	catccatcca	tccaggaaaa	tcagacttaa	tagtccgcgt	gggcgacgag	180
attaggctgt	tatgactga	tccgggcttt	gtcaaatgga	cttttgagat	cctggatgaa	240
acgaatgaga	ataagcagaa	tgaatggatc	acggaaaagg	cagaagccac	caacaccggc	300
aaatacacgt	gcaccaacaa	acacggctta	agcaattcca	tttatgtgtt	tgtagagat	360
cctgccaaagc	ttttccttgt	tgaccgctcc	ttgtatggga	aagaagacaa	cgacacgctg	420
gtccgctgtc	ctctcacaga	cccagaagtg	accaattatt	ccctcaaggg	gtgccagggg	480

aagcctcttc	ccaaggactt	gaggtttatt	cctgacccca	aggcgggcat	catgatcaaa	540
agtgtgaaac	gcgcctacca	tcggctctgt	ctgcattgtt	ctgtggacca	ggagggcaag	600
tcagtgtgt	cggaaaaatt	catcctgaaa	gtgaggccag	ccttcaaagc	tgtgcctgtt	660
gtgtctgtgt	ccaaagcaag	ctatcttctt	agggaaaggg	aagaattcac	agtgacgtgc	720
acaataaaaag	atgtgtctag	ttctgtgtac	tcaacgtgga	aaagagaaaa	cagtcagact	780
aaactacagg	agaaatataa	tagctggcat	cacggtgact	tcaattatga	acgtcaggca	840
acgttgacta	tcagttcagc	gagagttaat	gattctggag	tgttcattgt	ttatgccaat	900
aatacttttg	gatcagcaaa	tgtcacaaca	accttgggaag	tagtagataa	aggattcatt	960
aatatcttcc	ccatgataaa	cactacagta	tttgtaaagc	atggagaaaa	tgtagatttg	1020
attgttgaat	atgaagcatt	ccccaaacct	gaacaccagc	agtggatcta	tatgaacaga	1080
accttcactg	ataaatggga	agattatccc	aagtctgaga	atgaaagtaa	tatcagatac	1140
gtaagtgaac	ttcatctaac	gagattaaaa	ggcaccgaag	gaggcactta	cacattccta	1200
gtgtccaatt	ctgacgtcaa	tgctgccata	gcatttaatg	tttatgtgaa	tacaaaacca	1260
gaaatcctga	cttacgacag	gctcgtgaat	ggcatgctcc	aatgtgtggc	agcaggattc	1320
ccagagccca	caatagattg	gtatttttgt	ccaggaaactg	agcagagatg	ctctgcttct	1380
gtactgccag	tggatgtgca	gacactaaac	tcatctgggc	caccgttttg	aaagctagtg	1440
gttcagagtt	ctatagattc	tagtgcattc	aagcacaatg	gcacggttga	atgtaaggct	1500
tacaacgatg	tgggcaagac	ttctgcctat	tttaactttg	catttaaagg	taacaacaaa	1560
gagcaaattc	atccccacac	cctgttcact	cctttgctga	ttggtttcgt	aatcgtagct	1620
ggcatgatgt	gcattattgt	gatgattctg	acctacaaat	atttacagaa	acccatgtat	1680
gaagtacagt	ggaaggttgt	tgaggagata	aatggaaaca	attatgttta	catagaccca	1740
acacaacttc	cttatgatca	caaatgggag	tttcccagaa	acaggctgag	ttttgggaaa	1800
accctgggtg	ctggagcttt	cgggaagggt	gttgaggcaa	ctgcttatgg	cttaattaag	1860
tcagatgcg	ccatgactgt	cgctgtaaa	atgctcaagc	cgagtgccca	tttgacagaa	1920
cgggaagccc	tcatgtctga	actcaaagtc	ctgagttacc	ttggtaatca	catgaatatt	1980
gtgaatctac	ttggagcctg	caccattgga	gggccacccc	tggtcattac	agaatattgt	2040
tgctatggtg	atcttttgaa	ttttttgaga	agaaaacgtg	attcatttat	ttgttcaaag	2100
caggaagatc	atgcagaagc	tgcactttat	aagaatcttc	tgcattcaaa	ggagtcttcc	2160
tgcagcgata	gtactaatga	gtacatggac	atgaaacctg	gagtttctta	tgttgtccca	2220
accaaggccg	acaaaaggag	atctgtgaga	ataggctcat	acatagaaag	agatgtgact	2280
cccgccatca	tggaggatga	cgagttggcc	ctagacttag	aagacttgct	gagcttttct	2340
taccaggtgg	caaagggcat	ggctttcctc	gcctccaaga	attgtattca	cagagacttg	2400
gcagccagaa	atatcctcct	tactcatggt	cggatcacia	agatttgtga	ttttggtcta	2460
gccagagaca	tcaagaatga	ttctaattat	gtggttaaag	gaaacgctcg	actacctgtg	2520
aagtggatgg	cacctgaaag	cattttcaac	tgtgtataca	cgtttgaaag	tgacgtctgg	2580
tcctatggga	tttttctttg	ggagctgttc	tctttaggaa	gcagccccta	tcctggaatg	2640
cgggtcgatt	ctaagttcta	caagatgata	aaggaaggct	tccggatgct	cagccctgaa	2700
cacgcacctg	ctgaaatgta	tgacataatg	aagacttgct	gggatgcaga	ttccctaaaa	2760
agaccaacat	tcaagcaaat	tgttcagcta	attgagaagc	agatttcaga	gagcaccaat	2820
catatttact	ccaacttagc	aaactgcagc	cccaaccgac	agaagcccgt	ggtagaccat	2880
tctgtgcgga	tcaattctgt	cggcagcacc	gcttcctcct	cccagcctct	gcttgtgcac	2940
gacgatgtct	gagcagaatc	agtgtttggg	tcacccctcc	aggaatgata	tcttcttttg	3000
gcttccatga	tggttatatt	cttttctttc	aacttgcata	caactccagg	atagtgggca	3060
ccccactgca	atcctgtctt	tctgagcaca	ctttagtggc	cgatgatttt	tgtcatcagc	3120
caccatccta	ttgcaaagg	tccaactgta	tatattccca	atagcaacgt	agcttctacc	3180
atgaacagaa	aacattctga	tttggaaaaa	gagagggagg	tatggactgg	gggccagagt	3240
cctttccaag	gcttctccaa	ttctgcccac	aaatatggtt	gatagtttac	ctgaataaat	3300

ggtagtaatc	acagttggcc	ttcagaacca	tccatagtag	tatgatgata	caagattaga	3360
agctgaaaac	ctaagtcctt	tatgtggaaa	acagaacatc	attagaacaa	aggacagagt	3420
atgaacacct	gggcttaaga	aatctagtat	ttcatgctgg	gaatgagaca	taggccatga	3480
aaaaaatgat	cccgaagtgt	gaacaaaaga	tgtctttctg	tggaccactg	catgagcttt	3540
tatactaccg	acctggtttt	taaatagagt	ttgtatttag	agcattgaat	tggagagaag	3600
gcctccctag	ccagcacttg	tatatacgca	tctataaatt	gtccgtgttc	atacatttga	3660
ggggaaaaca	ccataaggtt	tcgtttctgt	atacaaccct	ggcattatgt	ccactgtgta	3720
tagaagtaga	ttaagagcca	tataagtttg	aaggaaacag	ttaataccat	tttttaagga	3780
aacaatataa	ccacaaagca	cagtttgaac	aaaatctcct	cttttagctg	atgaacttat	3840
tctgtagatt	ctgtggaaca	agcctatcag	cttcagaatg	gcattgtact	caatggattt	3900
gatgctgttt	gacaaagtta	ctgattcact	gcatggctcc	cacaggagtg	ggaaaacact	3960
gccatcttag	tttggattct	tatgtagcag	gaaataaagt	ataggtttag	cctccttcgc	4020
aggcatgtcc	tggacaccgg	gccagtatct	atatatgtgt	atgtacgttt	gtatgtgtgt	4080
agacaaatat	ttggaggggt	atttttgccc	tgagtccaag	agggtccttt	agtacctgaa	4140
aagtaacttg	gctttcatta	ttagtactgc	tcttgtttct	tttcacatag	ctgtctagag	4200
tagcttacca	gaagcttcca	tagtggtgca	gaggaagtgg	aaggcatcag	tccctatgta	4260
tttgacgttc	acctgcactt	aaggcactct	gttatttaga	ctcatcttac	tgtacctgtt	4320
ccttagacct	tccataatgc	tactgtctca	ctgaaacatt	taaattttac	cctttagact	4380
gtagcctgga	tattattctt	gtagtttacc	tctttaaaaa	caaaacaaaa	caaaacaaaa	4440
aactcccctt	cctcactgcc	caatataaaa	ggcaaatgtg	tacatggcag	agtttgtgtg	4500
ttgtcttgaa	agattcaggt	atgttgcctt	tatggtttcc	cccttctaca	tttcttagac	4560
tacattttaga	gaactgtggc	cgttatctgg	aagtaaccat	ttgcactgga	gttctatgct	4620
ctcgcacctt	tccaaagtta	acagattttg	gggttgtgtt	gtcacccaag	agattgttgt	4680
ttgccatact	ttgtctgaaa	aattcctttg	tgtttctatt	gacttcaatg	atagtaagaa	4740
aagtggttgt	tagttataga	tgtctaggta	cttcaggggc	acttcattga	gagttttgtc	4800
ttgccatact	ttgtctgaaa	aattcctttg	tgtttctatt	gacttcaatg	atagtaagaa	4860
aagtggttgt	tagttataga	tgtctaggta	cttcaggggc	acttcattga	gagttttgtc	4920
aatgtctttt	gaatattccc	aagcccatga	gtccttgaaa	atatttttta	tatatacagt	4980
aactttatgt	gtaaatacat	aagcggcgta	agtttaaagg	atgttggtgt	tccacgtgtt	5040
ttattcctgt	atgtttgtcca	attgttgaca	gttctgaaga	attc		5084

```
<210> 1384
<211> 655
<212> DNA
<213> Homo sapiens
```

<211> 655

	DNA	Homopolymer
<212>		
<213>		

&lt;213&gt; Homo sapiens

<400>	1384	ccaatggcca	ttagccttca	cccatccgca	cgacctcatt	tacatccctt	attcttatca	60
		tcttccagac	cacctcgaga	gccaggggtt	cagagccctt	ctttccaat	gagggctccc	120
		aggacaggat	gaggtgcctg	cctgaggtca	cacggcaggg	agtgcagctc	ccctgcccc	180
		gacctgctga	gccccatcac	ttccgcagat	cctggcattc	tctcagaagc	tgtactacga	240
		caaggaacag	acagtgaagc	tgaaggacaa	tgtcaggccc	ctgcagcagc	tggggcagcg	300
		cacggtgata	aagtccgggg	ccccgggtcg	gccgctgcc	tgggccctgc	ctgccctgct	360
		gggccccatg	ctggcctgcc	tgctggccgg	cttccctgcga	tgatggctca	cttctgcacg	420
		cagcctctct	gttgccctcag	ctctccaagt	tccaggcttc	cggtccttag	ccttcccagg	480
		tgggacttta	ggcatgatta	aaatatggac	atatttttgg	agaaaccttt	ctcaagtgtg	540
		tttttagcct	tccacaacta	ccccacctg	tccccctcca	cccaccctg	ttcctcctgt	600
		tccagggcgg	gggctttaag	gccaggagat	ttctccaagc	aggtaccacc	aggtg	655

ccaatggcca ttagccttca cccatccgca cgacctcatt tacatcccct attcttatca 60

tcttccagac cacctcgaga gccaggggtt cagagccctt ctttcctaata gagggctccc 120

..... 180

aggacaggat gaggtgcttg cctgaggtca cacggcaggg agtgcagctc cccctgcccc 180

gacctgctga qcccatcac ttccgcagat cctggcattc tctcagaagc tgtactacga 240

gaaggaagag agagtggga tgaaggaga tatgagggg ctgcaggagg tgggggaggg 300

caaggaacag acagtcagca tgaaggacaa tctcagggcc ctgcagcagc tggggcagtc 300

cacggtgata aagtcgggg ccccggtcg gccgctgcc tgggccctgc ctgccctgct 360

ggggcccatg ctggcctggc tgcctggccg cttcctggga tgatggctca cttctgcacg 420

ggggccccccag	ccggccccggcc	ggccggggccgg	ccccccggggga	ggggggggggga	ccccccggggga	120
ggggccccccag	ccggccccggcc	ggccggggccgg	ccccccggggga	ggggggggggga	ccccccggggga	121

cagcctctct gttgcctcag ctctccaagt tccaggcttc cggtccttag ccttcccagg 480

tgggacttta ggcattgatta aaatatggac atattttttgg agaaaccttt ctcaagtgtg 540

[illegible]

tttttagcct tccacaacta ccccaaccctg tcccccttcca ccccaaccctg tccccctctgt 600

tccagggcgg gggctttaag gccaggagat ttctccaagc aggtaccacc aggtg 655

```
<210> 1385
<211> 2130
<212> DNA
<213> Homo sapiens
```

$\langle 211 \rangle$        $2130$

<212>	DNA
<213>	Homo

213 home barrens

```

<400> 1385
gcgcccaggt agctgcgagg aaacttttgc agcggctggg tagcagcacg tctcttgctc 60
ctcagggcca ctgccaggct tgccgagtc tgggactgct ctcgctccgg ctgccactct 120
cccgcgctct cctagctccc tgcgaagcag gatggccggg accgtgcgca ccgcgtgctt 180
ggtggtggcg atgctgctca gcttggactt cccgggacag gcgcagcccc cgccgccgcc 240
gccggacgcc acctgtcacc aagtcgcgtc cttcttccag agactgcagc cgggactcaa 300
gtgggtgcca gaaactcccg tgccaggatc agatttgcaa gtatgtctcc ctaagggccc 360
aacatgctgc tcaagaaaga tggagaagaaa ataccaacta acagcacgat tgaacatgga 420
acagctgctt cagtctgcaa gtatggagct caagttctta attattcaga atgctgcggg 480
tttccaagag gcctttgaaa ttgttgttcg ccatgccaa aactacacca atgccatgtt 540
caagaacaac tacccaagcc tgactccaca agcttttgag tttgtgggtg aatttttcac 600
agatgtgtct ctctacatct tgggttctga catcaatgta gatgacatgg tcaatgaatt 660
gtttgacagc ctgtttccag tcatctatac ccagctaata aaccaggcc tgctgatctc 720
agccttggac atcaatgagt gcctccgagg agcaagacgt gacctgaaag tatttgggaa 780
tttccccaag cttattatga cccagggttc caagtcactg caagtcacta ggatcttctt 840
tcaggctctg aatcttgga ttgaagtgat caacacaact gatcacctga agttcagtaa 900
ggactgtggc cgaatgctca ccagaatgtg gtactgctct tactgccagg gactgatgat 960
ggttaaacc tgtggcggtt actgcaatgt ggtcatgcaa ggctgtatgg caggtgtggt 1020
ggagattgac aagtactgga gagaatacat tctgtccctt gaagaacttg tgaatggcat 1080
gtacagaatc tatgacatgg agaactgact gcttgggtctc ttttcaacaa tccatgatctc 1140
tatccagtat gtccagaaga atgcaggaaa gctgaccacc actattggca agttatgtgc 1200
ccattctcaa caacgccaat atagatctgc ttattatcct gaagatctct ttattgacaa 1260
gaaagtatta aaagttgctc atgtagaaca tgaagaagacc ttatccagcc gaagaagggg 1320
actaattcag aagttgaagt ctttcatcag cttctatagt gctttgctg gctacatctg 1380
cagccatagc cctgtggcgg aaaacgacac cctttgctgg aatggacaag aactcgtgga 1440
gagatacagc caaaaggcag caaggaatgg aatgaaaaac cagttcaatc tccatgagct 1500
gaaaatgaag ggccctgagc cagtggtcag tcaaattatt gacaaactga agcacattaa 1560
ccagctcctg agaaccatgt ctatgcccaa aggtagagtt ctggataaaa acctggatga 1620
ggaagggttt gaaagtggag actgcggtga tgatgaagat gagtgcattg gaggctctgg 1680
tgatggaatg ataaaagtga agaactcagc ccgcttcctt gcagaactgg cctatgatct 1740
ggatgtggat gatgcgcctg gaaacagtc gagggaact ccgaaggaca acgagataag 1800
cacctttcac aacctcgga acgttcattc cccgtgaag cttctacca gcatggccat 1860
ctcgggtggtg tgcttcttct tccgtgtgca ctgactgcct ggtgcccagc acatgtgctg 1920
ccctacagca ccctgtggtc ttcctcgata aagggaacca ctttcttatt ttttcttatt 1980
tttttttttt tgttatcctg tatacctcct ccagccatga agtagaggac taacctatgtg 2040
ttatgttttc gaaaatcaaa tggatatctt tggaggaaga tacatttttag tggtagcata 2100
tagattgtcc ttttgcaaaa aaaaaaacgg 2130

```

```

<210> 1386
<211> 2298
<212> DNA
<213> Homo sapiens

```

```

<400> 1386
gggaggtgtc gcagcgccat caagaaggac tgaggctccg caatcggagg ccgccgattt 60
cgacccttcg cctcgccccg gcccaatcca ggccccggcc cgccgccccg ggccgccccg 120
gcgtgccttc tctcctccct ctttgtgcgt ctgcgcgcgc cgccgcccgc cgctgagag 180
gacgggctcc gcgcgctccg gcagccgatt cgggtccctt cccccggga ggcttgcgaa 240
ggagaagccg ccgcagagga aaagcagggt cgggtgcttg tccccggggg gcccatggcg 300
accggagcga acgccacgcc gttggacttc ccaagtaaga agcgggaagag gagccgctgg 360
aaccaagaca caatggaaca gaagacagt attccaggaa tgcctacagt tattccccct 420
ggacttactc gagaacaaga aagagcttat atagtgaac tgcagataga agacctgact 480

```





gccaggtgga	ggagtatgac	ctggatgccg	acgacatcaa	ctccaggggtg	gagatgaagc	840
ccaaatagaa	gggtctctggc	cggggcatcc	acgtaggggg	caggggcagg	ggcgggcgga	900
gggaggggag	gggtgaaatc	catactgtag	acactctgac	aagctggcca	aagtcacttc	960
cccaagatct	gccagacctg	catgggtcaag	cctcttatgg	gggtgtttct	atctctttct	1020
ttctctttct	gtttcctggc	ctcagagctt	cctggggacc	aagatttacc	aattcaccca	1080
ctcccttgaa	gttggtggagg	aggtgaaaga	aagggaccca	cctgctagtc	gcccctcaga	1140
gcatgatggg	aggtgtgcca	gaaagtcccc	cctcgcccca	aagttgctca	ccgactcacc	1200
tgcgcaagtg	cctgggatc	taccgtaatt	gctttgtgcc	tttgggcacg	gcccctcttc	1260
tttctctaac	atgcaccttg	ctcccaatgg	tgcttgagg	gggaagagat	cccaggaggt	1320
gcagtggagg	gggcaagctt					1340

<210> 1388  
 <211> 3128  
 <212> DNA  
 <213> Homo sapiens

<400> 1388						
ccttggtgcat	ttggtctgaa	gacaaagatg	actgcaggag	tgggcaggcc	ggagtggggg	60
tgacctggcc	tgtgccagga	aggaggagga	gtctgcagcc	ctgtgcggtt	caacatccat	120
caaggagtcc	agagcaggag	ccaggccagg	cgggagggaa	aggccctggg	aggggctctc	180
taatctccca	gccccgactc	tgccccgtca	ctgccgctgc	tcctcattac	tcgctggggc	240
tgctgtcgcc	tccccgaagg	gtggccttgt	ccagatagtg	gcaaacctcc	ctgccgtgga	300
tgagtccagga	gcattttctt	aagaggaaca	tactggaaa	acaaaatgag	cggggacaca	360
gaaaccaaca	gcagtggctg	catttgtggt	acaggctcct	cttcagagc	tcgctgatgc	420
ccacctcaga	caggcctgac	cacggcacgg	ctgggtggat	ttgccagtca	cctcaaccag	480
ccagttccac	cctcagcttc	tctcagaagg	gagcaccaca	ctcctcaagc	tcagtgaatg	540
tatcccgga	tgggtggggc	cagagcctgt	gatctctcga	ggtgggctcg	gcaggacacc	600
ggggtgtgga	agggggaagc	gagcacctga	ctcagacagc	gcgggagctc	gcaggagtca	660
cgaggccaca	gcgacttcat	tgtctgactg	ggcctggacc	tataaacttc	ccacctcagc	720
cttgggcca	gcctggaaga	taaaaatgga	gcaccccatg	gcgcccctca	ctcagattct	780
cccctgggct	tctcccacgc	agcccagaa	gaggacacac	cagcccaga	gttagcccca	840
gaggcccctg	agcctcctga	agagcccgc	ctaggagtgc	tgaccgtgac	cgacacaacc	900
ccagactcca	tgcgccctctc	gtggagcgtg	gcccagggcc	cctttgattc	cttcgtgggtc	960
cagtatgagg	acacgaacgg	gcagccccag	gccttgctcg	tggacggcga	ccagagcaag	1020
atcctcatct	caggcctgga	gcccagcacc	ccctacaggt	tcctcctcta	tggcctccat	1080
gaagggaagc	gcctggggcc	cctctcagct	gagggcacca	cagggctggc	tcctgctggt	1140
cagacctcag	aggagtcaag	gccccgcctg	tcccagctgt	ctgtgactga	cgtgaccacc	1200
agttcactga	ggctcaactg	ggaggcccca	ccgggggctt	tcgactcctt	cctgctccgc	1260
tttgggggtc	catcaccaag	cactctggag	ccgcatccgc	gtccactgct	gcagcgcgag	1320
ctgatggtgc	cggggacgcg	gcactcggcc	gtgctccggg	acctgcgttc	cgggactctg	1380
tacagcctga	cactgtatgg	gctgcgagga	ccccacaagg	ccgacagcat	ccagggaacc	1440
gcccgcaccc	tcagcccagt	tctggagagc	ccccgtgacc	tccaattcag	tgaaatcagg	1500
gagacctcag	ccaaggtcaa	ctggatgccc	ccaccatccc	gggcggacag	cttcaaagtc	1560
tcctaccagc	tggcggacgg	aggggagcct	cagagtgtgc	aggtggatgg	ccaggcccgg	1620
accagaaaac	tccaggggct	gatcccaggc	gctcgctatg	aggtgaccgt	ggtctcgggtc	1680
cgaggctttg	aggagagtga	gcctctcaca	ggcttctcca	ccacggttcc	tgacgggtccc	1740
acacagttgc	gtgcactgaa	cttgaccgag	ggattcgccg	tgctgactg	gaagcccccc	1800
cagaatcctg	tggacaccta	tgacgtccag	gtcacagccc	ctggggcccc	gcctctgcag	1860
gcggagaccc	caggcagcgc	ggtggactac	cccctgcatg	accttgtcct	ccacaccaac	1920
tacaccgcca	cagtgcgtgg	cctgcggggc	cccaacctca	cttccccagc	cagcatcacc	1980
ttcaccacag	ggctagaggc	ccctcggggc	ttggaggcca	aggaagtgac	ccccgcacc	2040

[illegible]

<400>	1389								
ctgaaggcgg	aaccacgacg	ggcagagagc	acggagccgg	gaagcccctg	ggcgcccgtc			60	
ggagggctat	ggagcagcgg	ccgcgggggt	gcgcggcggt	ggcggcggcg	ctcctcctgg			120	
tgctgctggg	ggcccggggc	cagggcggca	ctcgtagccc	caggtgtgac	tgtgccggtg			180	
acttccacaa	gaagattggg	ctgtttttgt	gcagaggctg	cccagcgggg	cactacctga			240	
aggccccctg	cacggagccc	tgcggcaact	ccacctgcct	tgtgtgtccc	caagacacct			300	
tcttggcctg	ggagaaccac	cataattctg	aatgtgcccg	ctgccaggcc	tgtgatgagc			360	
aggcctccca	ggtggcgctg	gagaactggt	cagcagtggc	cgacacccgc	tgtggctgta			420	
agccaggctg	gtttgtggag	tgccaggcca	gccaatgtgt	cagcagttca	cccttctact			480	
gccaacctatg	cctagactgc	ggggccctgc	accgccacac	acggctactc	tgttcccgca			540	
gagatactga	ctgtgggacc	tgccctgcctg	gcttctatga	acatggcgat	ggctgcgtgt			600	
cctgccccac	gagcaccctg	gggagctgtc	cagagcgctg	tgccgctgtc	tgtggctgga			660	
ggcagagtag	gtggtgtgct	gggaatgcgc	gtggggagaac	tgggatggac	cgaggggagg			720	
cgggtgagga	ggggggcaac	cacccaacac	ccaccagctg	ctttcagtgt	tctgggtcca			780	
ggtgctcctg	gctggccttg	tgggtccctc	cctgcttggg	gccaccctga	cctacacata			840	
ccgccactgc	tggcctcaca	agccctgggt	tactgcagat	gaagctggga	tggaggctct			900	
gaccccacca	ccggccaccc	atctgtcacc	cttggacagc	gcccacaccc	ttctagcacc			960	
tcctgacagc	agtgagaaga	tctgcaccgt	ccagttggtg	ggtaacagct	ggacccctgg			1020	
ctaccccgag	accagggagg	cgctctgccc	gcaggtgaca	tggctctggg	accagttgcc			1080	
cagcagagct	cttggtcccc	ctcgtgcgcc	cacactctcg	ccagagtccc	cagccggctc			1140	
gccagccatg	atgctgcagc	cgggcccgca	gctctacgac	gtgatggacg	cggctccagc			1200	
gcggcgctgg	aaggagttcg	tgcgcacgct	ggggctgcgc	gaggcagaga	tcgaagccgt			1260	
ggaggtggag	atcggctctc	tccgagacca	gcagtacgag	atgctcaagc	actggcgcca			1320	
gcagcagccc	gcgggcctcg	gagccgttta	cgcggccctg	gagcgcatgg	ggctggacgg			1380	
ctgcgtggaa	gacttgcgca	gccgcctgca	gcgtggcccg	tgacacgcag	cccacttgcc			1440	
acctagqcgc	tctggtqgcc	cttgcaqaaq	ccctaagtac	ggttacttat	gcgtgtagac			1500	





tcgctcaagt ttgcccattg tggcaaattg tttgtaagca ctggaaagga caaccttctg 1200  
aatgcctgga gaacgcctta cggggccagt atattccagt ccaaagaatc ctcacgggtg 1260  
cttagctgtg acatctccgt ggacgacaaa tacattgtca ctggctctgg ggataagaag 1320  
gccacagttt atgaagtat ttattaaaga caaatcttca tgcagactgg acttctctc 1380  
ctggtagcac tttgctctgt catccttttt gtccacccc atccccgcat ctaaaaccaa 1440  
gga 1443

<210> 1392  
<211> 1309  
<212> DNA  
<213> Homo sapiens

<220> misc feature  
<221> n=a,t,g or c  
<223>

<400> 1392  
actttctctc tctttcgatt cttccatact cagagtacgc acggtctgat tttctctttg 60  
gattcttcca aaatcagagt cagactgtc cgggtgccat gaacggagac gacgcctttg 120  
caaggagacc caccggttgg gctcaaatac cagagaagat ccaaaaggcc ttcgatgata 180  
ttgcaaata cttctctaag gaagagtggg aaaagatgaa agcctcggag aaaatcttct 240  
atgtgtatat gaagagaaaag tatgaggcta tgactaaact aggtttcaag gccaccctcc 300  
cacctttcat gtgtaataaa cgggccgaag acttccaggg gaatgatttg gataatgacc 360  
ctaaccgtgg gaatcaggtt gaacgtctc agatgacttt cggcaggctc cagggaatct 420  
ccccgaagat catgccccaa aagccagcag aggaaggaaa tgattcggag gaagtgccag 480  
aagcatctgg ccacaaaaat gatgggaaaag agctgtgccc cccgggaaaa ccaactacct 540  
ctgagaagat tcacgagaga tctggaccca aaagggggga acatgcctgg acccacagac 600  
tgcgtagagag aaaacagctg gtgatttatg aagagatcag cgaccctgag gaagatgacg 660  
agtaactccc ctcagggata cgacacatgc ccatgatgag aagcagaacg tggtagacct 720  
tcacgaacat gggcatggct gcggaccctc cgtcatcagg tgcatagcaa gtgaaagcaa 780  
gtgttcacaa cagtgaaaag ttgagcgtca tttttcttag tgtgccaaga gttcgatgtt 840  
agcggtttacg ttgtattttc ttacactgtg tcattctgtt agatactaac attttcattg 900  
atgacgcaag ccatacttaa tgcataattt gggttgggta tccatgaacc taccnnnnga 960  
aaccaagnat tgccggttac ctctgcatgg acccagcatta cctcctctc tcccagatg 1020  
tgactactga ggcagttctg agtgtttaat ttcagatttt ttcctctgca tttacacaca 1080  
cacgacacaa accacaccac acacacacac acacacacac acacacacca 1140  
agtaccagta taagcatctg ccatctgctt ttcccattgc catgcgtcct ggtcaagctc 1200  
ccctcactct gtttcctggg cagcatgtac tcccctcatc cgattcccct gtagcagtca 1260  
ctgcacagtt aataaacctt tgcaaacggtt aaaaaaaaaa aaaaaaaaaa 1309

1392-1309